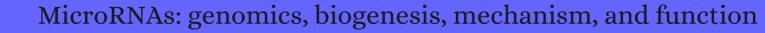
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#	Paper	IF	Citations
2262	Common genetic variants in pre-microRNAs and risk of breast cancer in the North Indian population. <b>2014</b> , 8, 473		21
2261	RNA interference and its role in the inhibition and cure of HIV/AIDS. <b>1970</b> , 5, 1-10		
2260	Book Reviews : The Combustion of Organic Polymers. C. F. Cullis and M. M. Hirschler. Clarendon Press, Oxford. 1981. 419 pages. \$59.00. <b>1982</b> , 52, 543-543		
2259	microRNA expression profile in undifferentiated gastric cancer. <b>1992</b> , 34, 537		6
2258	Knockdown of Dicer in MCF-7 human breast carcinoma cells results in G1 arrest and increased sensitivity to cisplatin. <b>1994</b> , 21, 13		
2257	Unaltered cosmic spherules in a 1.4-Gyr-old sandstone from Finland. <b>1998</b> , 395, 146-8		18
2256	Profiling microRNA expression using sensitive cDNA probes and filter arrays. <b>2004</b> , 37, 574-6, 578-80		21
2255	Copper Homeostasis: Regulation in Plants. <b>2004</b> , 1-11		
2254	[RNA interference: towards a functional genomics in mammalian cells?]. <b>2004</b> , 20, 815-9		O
2253	RNAi: finding the elusive endonuclease. <b>2004</b> , 10, 1675-9		27
2252	A new vector, based on the PolII promoter for the U1 snRNA gene, for the expression of siRNAs in mammalian cells. <b>2004</b> , 10, 191		1
2251	[MicroRNA are everywhere]. <b>2004</b> , 20, 399-401		О
2250	[MicroRNAs: a new class of gene expression regulators]. <b>2004</b> , 20, 894-8		6
2249	siRNAs: mechanism of RNA interference, in vivo and potential clinical applications. <b>2004</b> , 3, 1069-74		37
2248	Expression of PACT and EIF2C2, Implicated in RNAi and MicroRNA pathways, in various human cell lines. <b>2004</b> , 8, 213-220		
2247	Viral virulence protein suppresses RNA silencing-mediated defense but upregulates the role of microrna in host gene expression. <b>2004</b> , 16, 1302-13		196
2246	Probing microRNAs with microarrays: tissue specificity and functional inference. <b>2004</b> , 10, 1813-9		317

## (2004-2004)

2245	Patterns of flanking sequence conservation and a characteristic upstream motif for microRNA gene identification. <b>2004</b> , 10, 1309-22	138
2244	The N-terminal half-domain of the long form of tRNase Z is required for the RNase 65 activity. <b>2004</b> , 32, 4429-38	50
2243	Viral RNA silencing suppressors inhibit the microRNA pathway at an intermediate step. <b>2004</b> , 18, 1179-86	444
2242	Tethering of human Ago proteins to mRNA mimics the miRNA-mediated repression of protein synthesis. <b>2004</b> , 10, 1518-25	289
2241	miR-122, a mammalian liver-specific microRNA, is processed from hcr mRNA and may downregulate the high affinity cationic amino acid transporter CAT-1. <b>2004</b> , 1, 106-13	642
2240	"siRNAs and miRNAs": a meeting report on RNA silencing. <b>2004</b> , 10, 1165-73	10
2239	Distinct roles for Argonaute proteins in small RNA-directed RNA cleavage pathways. 2004, 18, 1655-66	619
2238	Trans-splicing and polyadenylation of let-7 microRNA primary transcripts. <b>2004</b> , 10, 1586-94	129
2237	Molecular biology. Argonaute journeys into the heart of RISC. <b>2004</b> , 305, 1409-10	46
2236	Structural requirements for pre-microRNA binding and nuclear export by Exportin 5. <b>2004</b> , 32, 4776-85	334
2235	Structural biology. Evolution of RNA architecture. <b>2004</b> , 306, 62-3	17
2234	Small RNA on the Move. <b>2004</b> , 16, 1951-1954	10
2233	Epigenetics and cancer. <b>2004</b> , 18, 2315-35	352
2232	siRNAs targeting an intronic transposon in the regulation of natural flowering behavior in Arabidopsis. <b>2004</b> , 18, 2873-8	173
2231	MOLECULAR BIOLOGY: Enjoy the Silence. <b>2004</b> , 303, 1978-1979	2
2230	Effects of length and location on the cellular response to double-stranded RNA. <b>2004</b> , 68, 432-52, table of contents	86
2229	Substrate requirements for let-7 function in the developing zebrafish embryo. <b>2004</b> , 32, 6284-91	184
2228	Small RNA-mediated chromatin modification and transcriptional gene silencing. <b>2004</b> , 2, 351-367	1

2227	RNA editing of a miRNA precursor. <b>2004</b> , 10, 1174-7	243
2226	Sensitive and specific detection of microRNAs by northern blot analysis using LNA-modified oligonucleotide probes. <b>2004</b> , 32, e175	665
2225	Development of a micro-array to detect human and mouse microRNAs and characterization of expression in human organs. <b>2004</b> , 32, e188	268
2224	Cre-lox-regulated conditional RNA interference from transgenes. <b>2004</b> , 101, 10380-5	523
2223	MicroRNA-143 regulates adipocyte differentiation. <b>2004</b> , 279, 52361-5	771
2222	Structural features of microRNA (miRNA) precursors and their relevance to miRNA biogenesis and small interfering RNA/short hairpin RNA design. <b>2004</b> , 279, 42230-9	137
2221	Dissecting RNA silencing in protoplasts uncovers novel effects of viral suppressors on the silencing pathway at the cellular level. <b>2004</b> , 32, e179	60
2220	Imprinted small RNA genes. <b>2004</b> , 385, 905-11	23
2219	Generation of single and double knockdowns in polarized epithelial cells by retrovirus-mediated RNA interference. <b>2004</b> , 101, 4912-7	85
2218	Evidence that microRNA precursors, unlike other non-coding RNAs, have lower folding free energies than random sequences. <b>2004</b> , 20, 2911-7	418
2217	Designing transcription factor architectures for drug discovery. <b>2004</b> , 66, 1361-71	152
2216	ASRP: the Arabidopsis Small RNA Project Database. <b>2005</b> , 33, D637-40	162
2215	Exploring the genetic basis of disease using RNA interference. <b>2004</b> , 4, 645-51	5
2214	The RNA Interference Proteins and Vasa Locus are Involved in the Silencing of Retrotransposons in the Female Germline of Drosophila melanogaster. <b>2004</b> , 1, 53-57	97
2213	In vivo investigation of the transcription, processing, endonucleolytic activity, and functional relevance of the spatial distribution of a plant miRNA. <b>2004</b> , 18, 2237-42	296
2212	Arabidopsis micro-RNA biogenesis through Dicer-like 1 protein functions. <b>2004</b> , 101, 12753-8	768
2211	MicroRNA expression detected by oligonucleotide microarrays: system establishment and expression profiling in human tissues. <b>2004</b> , 14, 2486-94	437
2210	A combined computational-experimental approach predicts human microRNA targets. <b>2004</b> , 18, 1165-78	589

2209	RNAi: design and analysis. <b>2004</b> , Chapter 12, Unit 12.3	1
2208	Parallel chemical genetic and genome-wide RNAi screens identify cytokinesis inhibitors and targets. <b>2004</b> , 2, e379	252
2207	Human MicroRNA targets. <b>2004</b> , 2, e363	2746
2206	A large imprinted microRNA gene cluster at the mouse Dlk1-Gtl2 domain. <b>2004</b> , 14, 1741-8	413
2205	MicroRNA regulation of the CUC genes is required for boundary size control in Arabidopsis meristems. <b>2004</b> , 131, 4311-22	407
2204	New human and mouse microRNA genes found by homology search. <b>2005</b> , 272, 59-73	237
2203	Applications and advantages of virus-induced gene silencing for gene function studies in plants. <b>2004</b> , 39, 734-46	530
2202	MicroRNAs: more than a role in plant development?. <b>2004</b> , 5, 361-6	42
2201	Identification of novel non-coding RNAs as potential antisense regulators in the archaeon Sulfolobus solfataricus. <b>2005</b> , 55, 469-81	173
2200	RNA and microRNAs in fragile X mental retardation. <b>2004</b> , 6, 1048-53	295
2199	Shaping small RNAs in plants by gene duplication. <b>2004</b> , 36, 1245-6	15
2198	MicroRNA-responsive 'sensor' transgenes uncover Hox-like and other developmentally regulated patterns of vertebrate microRNA expression. <b>2004</b> , 36, 1079-83	378
2197	Evolution of microRNA genes by inverted duplication of target gene sequences in Arabidopsis thaliana. <b>2004</b> , 36, 1282-90	485
2196	The age of high-throughput microRNA profiling. <b>2004</b> , 1, 106-7	21
2195	A custom microarray platform for analysis of microRNA gene expression. <b>2004</b> , 1, 47-53	661
2194	Microarray-based, high-throughput gene expression profiling of microRNAs. <b>2004</b> , 1, 155-61	551
2193	siRNAs: applications in functional genomics and potential as therapeutics. <b>2004</b> , 3, 318-29	718
2192	RNA regulation: a new genetics?. <b>2004</b> , 5, 316-23	571

2191	Micromanagers of gene expression: the potentially widespread influence of metazoan microRNAs. <b>2004</b> , 5, 396-400	1141
2190	MicroRNAs surface in the leaf. <b>2004</b> , 5, 244-244	
2189	microRNA, control yourself!. <b>2004</b> , 5, 408-408	
2188	MicroRNAs: small RNAs with a big role in gene regulation. <b>2004</b> , 5, 522-31	5376
2187	Correction: MicroRNAs: small RNAs with a big role in gene regulation. <b>2004</b> , 5, 631-631	61
2186	Gene map of the extended human MHC. <b>2004</b> , 5, 889-99	787
2185	The double-stranded-RNA-binding motif: interference and much more. <b>2004</b> , 5, 1013-23	197
, i	Big secrets of a small world. <b>2004</b> , 5, 951-951	
2183	Micro modulators. <b>2004</b> , 2, 443-443	
2182	RNAi, a new therapeutic strategy against viral infection. <b>2004</b> , 14, 460-6	74
2182 2181	RNAi, a new therapeutic strategy against viral infection. <b>2004</b> , 14, 460-6  MicroRNA control of PHABULOSA in leaf development: importance of pairing to the microRNA 5' region. <b>2004</b> , 23, 3356-64	<ul><li>74</li><li>538</li></ul>
2181	MicroRNA control of PHABULOSA in leaf development: importance of pairing to the microRNA 5'	
2181	MicroRNA control of PHABULOSA in leaf development: importance of pairing to the microRNA 5' region. <b>2004</b> , 23, 3356-64	538
2181	MicroRNA control of PHABULOSA in leaf development: importance of pairing to the microRNA 5' region. <b>2004</b> , 23, 3356-64  MicroRNA genes are transcribed by RNA polymerase II. <b>2004</b> , 23, 4051-60  Crystal structure of a PIWI protein suggests mechanisms for siRNA recognition and slicer activity.	538 3207
2181 2180 2179	MicroRNA control of PHABULOSA in leaf development: importance of pairing to the microRNA 5' region. 2004, 23, 3356-64  MicroRNA genes are transcribed by RNA polymerase II. 2004, 23, 4051-60  Crystal structure of a PIWI protein suggests mechanisms for siRNA recognition and slicer activity. 2004, 23, 4727-37  Sequence analysis of the mannose-binding lectin (MBL2) gene reveals a high degree of	538 3207 254
2181 2180 2179 2178	MicroRNA control of PHABULOSA in leaf development: importance of pairing to the microRNA 5' region. 2004, 23, 3356-64  MicroRNA genes are transcribed by RNA polymerase II. 2004, 23, 4051-60  Crystal structure of a PIWI protein suggests mechanisms for siRNA recognition and slicer activity. 2004, 23, 4727-37  Sequence analysis of the mannose-binding lectin (MBL2) gene reveals a high degree of heterozygosity with evidence of selection. 2004, 5, 461-76  Are genetic determinants of asymmetric stem cell division active in hematopoietic stem cells?.	538 3207 254 70
2181 2180 2179 2178 2177	MicroRNA control of PHABULOSA in leaf development: importance of pairing to the microRNA 5' region. 2004, 23, 3356-64  MicroRNA genes are transcribed by RNA polymerase II. 2004, 23, 4051-60  Crystal structure of a PIWI protein suggests mechanisms for siRNA recognition and slicer activity. 2004, 23, 4727-37  Sequence analysis of the mannose-binding lectin (MBL2) gene reveals a high degree of heterozygosity with evidence of selection. 2004, 5, 461-76  Are genetic determinants of asymmetric stem cell division active in hematopoietic stem cells?. 2004, 23, 7247-55	538 3207 254 70 17

## (2004-2004)

2173	Structural basis for overhang-specific small interfering RNA recognition by the PAZ domain. <b>2004</b> , 429, 318-322	543
2172	Retraction: Unaltered cosmic spherules in a 1.4-Gyr-old sandstone from Finland. <b>2004</b> , 429, 322	4
2171	MicroRNAs act sequentially and asymmetrically to control chemosensory laterality in the nematode. <b>2004</b> , 430, 785-9	298
2170	The functions of animal microRNAs. <b>2004</b> , 431, 350-5	8644
2169	Mechanisms of gene silencing by double-stranded RNA. <b>2004</b> , 431, 343-9	1943
2168	RNA silencing in plants. <b>2004</b> , 431, 356-63	1933
2167	Finishing the euchromatic sequence of the human genome. <b>2004</b> , 431, 931-45	3444
2166	A pancreatic islet-specific microRNA regulates insulin secretion. <b>2004</b> , 432, 226-30	1714
2165	The RNAi revolution. <b>2004</b> , 430, 161-4	575
2164	Crystal structure of p19a universal suppressor of RNA silencing. <b>2004</b> , 29, 279-81	55
2163	Common logic of transcription factor and microRNA action. <b>2004</b> , 29, 462-8	171
2162	Synthetic biology evolves. <b>2004</b> , 22, 321-4	15
2161	Using RNAi to improve plant nutritional value: from mechanism to application. <b>2004</b> , 22, 463-9	50
2160	MicroRNAs and the regulation of cell death. <b>2004</b> , 20, 617-24	338
2159	Riboswitches exert genetic control through metabolite-induced conformational change. <b>2004</b> , 14, 344-9	81
2158	MicroRNA regulation of gene expression in plants. <b>2004</b> , 7, 512-20	204
2157	Subgenomic RNA as a riboregulator: negative regulation of RNA replication by Barley yellow dwarf virus subgenomic RNA 2. <b>2004</b> , 327, 196-205	22
2156	Binding proteins for mRNA localization and local translation, and their dysfunction in genetic neurological disease. <b>2004</b> , 14, 574-81	60

2155	The nuclear dsRNA binding protein HYL1 is required for microRNA accumulation and plant development, but not posttranscriptional transgene silencing. <b>2004</b> , 14, 346-51	441
2154	Drosophila development: RNA interference ab ovo. <b>2004</b> , 14, R428-30	6
2153	MicroRNA regulation of NAC-domain targets is required for proper formation and separation of adjacent embryonic, vegetative, and floral organs. <b>2004</b> , 14, 1035-46	540
2152	The human DiGeorge syndrome critical region gene 8 and Its D. melanogaster homolog are required for miRNA biogenesis. <b>2004</b> , 14, 2162-7	678
2151	Specificity of microRNA target selection in translational repression. <b>2004</b> , 18, 504-11	1249
2150	Identification of virus-encoded microRNAs. 2004, 304, 734-6	1293
2149	Argonaute2 is the catalytic engine of mammalian RNAi. <b>2004</b> , 305, 1437-41	2052
2148	MicroRNA-directed cleavage of HOXB8 mRNA. <b>2004</b> , 304, 594-6	1428
2147	An oligonucleotide microchip for genome-wide microRNA profiling in human and mouse tissues. <b>2004</b> , 101, 9740-4	831
2146	Class III HD-Zip gene regulation, the golden fleece of ARGONAUTE activity?. <b>2004</b> , 26, 938-42	54
2145	In vivo comparative study of RNAi methodologies by in ovo electroporation in the chick embryo. <b>2004</b> , 231, 592-600	49
2144	Diversity of antisense regulation in eukaryotes: multiple mechanisms, emerging patterns. <b>2004</b> , 93, 664-71	26
2143	RNA interference and chemically modified small interfering RNAs. <b>2004</b> , 8, 570-9	306
2142	Architecture of a validated microRNA::target interaction. <b>2004</b> , 11, 1619-23	145
2141	Development of gene-specific double-stranded RNA drugs. <b>2004</b> , 36, 540-51	26
2140	The design and exogenous delivery of siRNA for post-transcriptional gene silencing. <b>2004</b> , 12, 315-40	63
2139	Identifyng microRNAs in plant genomes.	
2138	MicroRNA profiling reveals distinct signatures in B cell chronic lymphocytic leukemias. <b>2004</b> , 101, 11755-60	1103

## (2004-2004)

2137	Human microRNAs are processed from capped, polyadenylated transcripts that can also function as mRNAs. <b>2004</b> , 10, 1957-66	1312
2136	Adenovirus VA1 noncoding RNA can inhibit small interfering RNA and MicroRNA biogenesis. <b>2004</b> , 78, 12868-76	299
2135	The long hand of the small RNAs reaches into several levels of gene regulation. <b>2004</b> , 82, 472-81	4
2134	Testis brain ribonucleic acid-binding protein/translin possesses both single-stranded and double-stranded ribonuclease activities. <b>2004</b> , 43, 13424-31	22
2133	Quantitation of microRNAs using a modified Invader assay. <b>2004</b> , 10, 1153-61	158
2132	A systems view of mRNP biology. <b>2004</b> , 18, 2845-60	128
2131	Synthetic biology evolves. <b>2004</b> , 22, 321	
2130	Identification of mammalian microRNA host genes and transcription units. 2004, 14, 1902-10	1451
2129	Riboswitches exert genetic control through metabolite-induced conformational change. 2004,	
0		
2128	Small interfering RNA-induced transcriptional gene silencing in human cells. <b>2004</b> , 305, 1289-92	777
2128	A new vector, based on the Polli promoter of the U1 snRNA gene, for the expression of siRNAs in mammalian cells. <b>2004</b> , 10, 191-9	777
2127	A new vector, based on the PolII promoter of the U1 snRNA gene, for the expression of siRNAs in	
2127	A new vector, based on the PolII promoter of the U1 snRNA gene, for the expression of siRNAs in mammalian cells. <b>2004</b> , 10, 191-9	70
2127	A new vector, based on the PolII promoter of the U1 snRNA gene, for the expression of siRNAs in mammalian cells. <b>2004</b> , 10, 191-9  The Drosha-DGCR8 complex in primary microRNA processing. <b>2004</b> , 18, 3016-27	70 1469
2127 2126 2125	A new vector, based on the PollI promoter of the U1 snRNA gene, for the expression of siRNAs in mammalian cells. 2004, 10, 191-9  The Drosha-DGCR8 complex in primary microRNA processing. 2004, 18, 3016-27  Novel and stress-regulated microRNAs and other small RNAs from Arabidopsis. 2004, 16, 2001-19	70 1469 1475
2127 2126 2125 2124	A new vector, based on the Polli promoter of the U1 snRNA gene, for the expression of siRNAs in mammalian cells. 2004, 10, 191-9  The Drosha-DGCR8 complex in primary microRNA processing. 2004, 18, 3016-27  Novel and stress-regulated microRNAs and other small RNAs from Arabidopsis. 2004, 16, 2001-19  HIV-1 encoded candidate micro-RNAs and their cellular targets. 2004, 1, 43  The action of ARGONAUTE1 in the miRNA pathway and its regulation by the miRNA pathway are	70 1469 1475 156
2127 2126 2125 2124 2123	A new vector, based on the PollI promoter of the U1 snRNA gene, for the expression of siRNAs in mammalian cells. 2004, 10, 191-9  The Drosha-DGCR8 complex in primary microRNA processing. 2004, 18, 3016-27  Novel and stress-regulated microRNAs and other small RNAs from Arabidopsis. 2004, 16, 2001-19  HIV-1 encoded candidate micro-RNAs and their cellular targets. 2004, 1, 43  The action of ARGONAUTE1 in the miRNA pathway and its regulation by the miRNA pathway are crucial for plant development. 2004, 18, 1187-97  Novel non-coding RNAs in Dictyostelium discoideum and their expression during development.	70 1469 1475 156 719

2119	Microarray analysis of microRNA expression in the developing mammalian brain. 2004, 5, R68		630
2118	Highly efficient small interfering RNA delivery to primary mammalian neurons induces MicroRNA-like effects before mRNA degradation. <b>2004</b> , 24, 10040-6		189
2117	Small RNAs shed some light. <i>Cell</i> , <b>2004</b> , 118, 1-2	56.2	21
2116	siRNA for gene silencing: a route to drug target discovery. <b>2004</b> , 4, 522-7		27
2115	Epigenetic control of neural stem cell fate. <b>2004</b> , 14, 461-9		190
2114	Isolation of eight novel Caenorhabditis elegans small RNAs. <b>2004</b> , 335, 47-56		11
2113	Regulating eukaryotic gene expression with aptamers. <b>2004</b> , 567, 55-62		20
2112	Circadian clocks and natural antisense RNA. <b>2004</b> , 567, 49-54		35
2111	Altered expression profiles of microRNAs during TPA-induced differentiation of HL-60 cells. <b>2004</b> , 322, 403-10		135
2110	Designing effective siRNAs with off-target control. <b>2004</b> , 325, 769-73		22
2109	Conserved and divergent paths that regulate self-renewal in mouse and human embryonic stem cells. <b>2004</b> , 275, 269-86		146
2108	Small RNAs and immunity. <b>2004</b> , 21, 747-56		27
2107	Controlling mRNA stability and translation with small, noncoding RNAs. 2004, 7, 140-4		292
2106	Computational identification of plant microRNAs and their targets, including a stress-induced miRNA. <b>2004</b> , 14, 787-99		1839
2105	AtXRN4 degrades mRNA in Arabidopsis and its substrates include selected miRNA targets. <b>2004</b> , 15, 173-83		295
2104	Human Argonaute2 mediates RNA cleavage targeted by miRNAs and siRNAs. <b>2004</b> , 15, 185-97		1465
2103	Endogenous trans-acting siRNAs regulate the accumulation of Arabidopsis mRNAs. <b>2004</b> , 16, 69-79		671
2102	Transcription and processing of human microRNA precursors. <b>2004</b> , 16, 861-5		631

2101 Rfam: annotating non-coding RNAs in complete genomes. <b>2005</b> , 33, D121-4	990
Developments in effective application of small inhibitory RNA (siRNA) technology in mammalian cells. <b>2004</b> , 3, 165-171	3
Detection of 91 potential conserved plant microRNAs in Arabidopsis thaliana and Oryza sativa identifies important target genes. <b>2004</b> , 101, 11511-6	386
2098 RNA silencing in plants by the expression of siRNA duplexes. <b>2004</b> , 32, e171	33
2097 Crystal structure of Argonaute and its implications for RISC slicer activity. <b>2004</b> , 305, 1434-7	1080
2096 RNA silencing pathways in plants. <b>2004</b> , 69, 363-70	38
2095 A conserved microRNA signal specifies leaf polarity. <b>2004</b> , 69, 409-17	6
2094 FMRP and its target RNAs: fishing for the specificity. <b>2004</b> , 15, 2447-50	10
2093 Expression and function of brain specific small RNAs. <b>2004</b> , 15, 185-98	38
2092 RNA-binding proteins and neural development: a matter of targets and complexes. <b>2004</b> , 15, 2567-70	14
Computational Identification of Novel Family Members of MicroRNA Genes in Arabidopsis thaliana and Oryza sativa. <b>2005</b> , 37, 75-87	50
2090 IDENTIFICATION OF MICRORNA PRECURSORS VIA SVM. <b>2005</b> ,	1
2089 Simultaneous alignment and structure prediction of three RNA sequences. <b>2005</b> , 1, 230-45	9
2088 RNA Interference: Double-stranded RNAs and the Processing Machinery. 33-68	
2087 RNA-directed DNA Methylation. 69-105	1
2086 Systemic RNA Silencing. 212-240	4
2085 Gene Silencing as a Tool for the Identification of Gene Function in Fungi. <b>2005</b> , 93-116	
2084 MicroRNA: biological and computational perspective. <b>2005</b> , 3, 62-72	33

2083	RNA interference in biology and disease. <b>2005</b> , 106, 787-94	113
2082	GENE impedance: a natural process for control of gene expression and the origin of RNA interference. <b>2005</b> , 233, 301-14	4
2081	HIV may produce inhibitory microRNAs (miRNAs) that block production of CD28, CD4 and some interleukins. <b>2005</b> , 235, 169-84	33
2080	The many faces of the helix-turn-helix domain: Transcription regulation and beyond. <b>2005</b> , 29, 231-262	300
2079	Neosisa paradigm of self-renewal in cancer. <b>2005</b> , 29, 1084-97	64
2078	Computational detection of microRNAs targeting transcription factor genes in Arabidopsis thaliana. <b>2005</b> , 29, 360-7	25
2077	Gene expression regula-tors™icroRNAs. <b>2005</b> , 50, 1281	7
2076	Antiquity of microRNAs and their targets in land plants. <b>2005</b> , 17, 1658-73	461
2075	Nuclear delivery of macromolecules: barriers and carriers. <b>2005</b> , 57, 505-27	172
2074	The widespread impact of mammalian MicroRNAs on mRNA repression and evolution. 2005, 310, 1817-21	1249
2074	The widespread impact of mammalian MicroRNAs on mRNA repression and evolution. <b>2005</b> , 310, 1817-21  Molecular genetics of axis formation in zebrafish. <b>2005</b> , 39, 561-613	1249 371
, ,		
2073	Molecular genetics of axis formation in zebrafish. 2005, 39, 561-613  Dicer and eIF2c are enriched at postsynaptic densities in adult mouse brain and are modified by neuronal activity in a calpain-dependent manner. 2005, 94, 896-905	371
2073	Molecular genetics of axis formation in zebrafish. 2005, 39, 561-613  Dicer and eIF2c are enriched at postsynaptic densities in adult mouse brain and are modified by neuronal activity in a calpain-dependent manner. 2005, 94, 896-905	371 225
2073 2072 2071 2070	Molecular genetics of axis formation in zebrafish. 2005, 39, 561-613  Dicer and eIF2c are enriched at postsynaptic densities in adult mouse brain and are modified by neuronal activity in a calpain-dependent manner. 2005, 94, 896-905  Regulation of miRNA expression during neural cell specification. 2005, 21, 1469-77	371 225 572
2073 2072 2071 2070	Molecular genetics of axis formation in zebrafish. 2005, 39, 561-613  Dicer and eIF2c are enriched at postsynaptic densities in adult mouse brain and are modified by neuronal activity in a calpain-dependent manner. 2005, 94, 896-905  Regulation of miRNA expression during neural cell specification. 2005, 21, 1469-77  Human cytomegalovirus expresses novel microRNAs during productive viral infection. 2005, 7, 1684-95	371 225 572 136
2073 2072 2071 2070 2069	Molecular genetics of axis formation in zebrafish. 2005, 39, 561-613  Dicer and eIF2c are enriched at postsynaptic densities in adult mouse brain and are modified by neuronal activity in a calpain-dependent manner. 2005, 94, 896-905  Regulation of miRNA expression during neural cell specification. 2005, 21, 1469-77  Human cytomegalovirus expresses novel microRNAs during productive viral infection. 2005, 7, 1684-95  Genome-wide screening for gene function using RNAi in mammalian cells. 2005, 83, 217-23	371 225 572 136

2065	Identification of ID-1 as a potential target gene of MMSET in multiple myeloma. <b>2005</b> , 130, 700-8	13
2064	MicroRNAs directing siRNA biogenesis. <b>2005</b> , 12, 569-71	71
2063	Spliceosome assembly in yeast: one ChIP at a time?. <b>2005</b> , 12, 571-3	9
2062	Synthetic shRNAs as potent RNAi triggers. <b>2005</b> , 23, 227-31	376
2061	Programmable ligand-controlled riboregulators of eukaryotic gene expression. <b>2005</b> , 23, 337-43	306
2060	MicroRNA-dependent localization of targeted mRNAs to mammalian P-bodies. <b>2005</b> , 7, 719-23	961
2059	A role for the P-body component GW182 in microRNA function. <b>2005</b> , 7, 1261-6	513
2058	RNA polymerase IV and transcriptional silencing. <b>2005</b> , 37, 659-60	30
2057	Vive la difference!. <b>2005</b> , 37, 660-1	20
2056	RNAi the natural way. <b>2005</b> , 37, 1163-5	72
2056		7 <sup>2</sup> 3846
2055	Combinatorial microRNA target predictions. <b>2005</b> , 37, 495-500  Heritable transposon silencing initiated by a naturally occurring transposon inverted duplication.	3846
2055 2054 2053	Combinatorial microRNA target predictions. <b>2005</b> , 37, 495-500  Heritable transposon silencing initiated by a naturally occurring transposon inverted duplication. <b>2005</b> , 37, 641-4	3846
2055 2054 2053	Combinatorial microRNA target predictions. <b>2005</b> , 37, 495-500  Heritable transposon silencing initiated by a naturally occurring transposon inverted duplication. <b>2005</b> , 37, 641-4  Identification of hundreds of conserved and nonconserved human microRNAs. <b>2005</b> , 37, 766-70	3846 144 1548
2055 2054 2053 2052 2051	Combinatorial microRNA target predictions. 2005, 37, 495-500  Heritable transposon silencing initiated by a naturally occurring transposon inverted duplication. 2005, 37, 641-4  Identification of hundreds of conserved and nonconserved human microRNAs. 2005, 37, 766-70  Second-generation shRNA libraries covering the mouse and human genomes. 2005, 37, 1281-8  DICER-LIKE 4 is required for RNA interference and produces the 21-nucleotide small interfering	3846 144 1548 522
2055 2054 2053 2052 2051 2050	Combinatorial microRNA target predictions. 2005, 37, 495-500  Heritable transposon silencing initiated by a naturally occurring transposon inverted duplication. 2005, 37, 641-4  Identification of hundreds of conserved and nonconserved human microRNAs. 2005, 37, 766-70  Second-generation shRNA libraries covering the mouse and human genomes. 2005, 37, 1281-8  DICER-LIKE 4 is required for RNA interference and produces the 21-nucleotide small interfering RNA component of the plant cell-to-cell silencing signal. 2005, 37, 1356-60	3846 144 1548 522 336

2047	Identification of microRNAs of the herpesvirus family. <b>2005</b> , 2, 269-76	962
2046	RNAi-mediated pathways in the nucleus. <b>2005</b> , 6, 24-35	692
2045	Induction and suppression of RNA silencing: insights from viral infections. <b>2005</b> , 6, 206-20	630
2044	Modulating Hox gene functions during animal body patterning. <b>2005</b> , 6, 893-904	623
2043	Assembly and function of RNA silencing complexes. <b>2005</b> , 6, 127-38	330
2042	Reconstruction of cellular signalling networks and analysis of their properties. <b>2005</b> , 6, 99-111	408
2041	MicroRNA biogenesis: coordinated cropping and dicing. <b>2005</b> , 6, 376-85	1968
2040	Gene discovery by ribozyme and siRNA libraries. <b>2005</b> , 6, 413-22	36
2039	Regulatory networks in embryo-derived pluripotent stem cells. <b>2005</b> , 6, 872-84	544
2038	Mechanisms of plant resistance to viruses. <b>2005</b> , 3, 789-98	242
2037	Short interfering RNAs as a tool for cancer gene therapy. <b>2005</b> , 12, 217-27	152
2036	RNA interference and potential therapeutic applications of short interfering RNAs. <b>2005</b> , 12, 787-95	100
2035	Identification and characterization of new plant microRNAs using EST analysis. 2005, 15, 336-60	364
2034	siRNA, miRNA and HIV: promises and challenges. <b>2005</b> , 15, 935-46	63
2033	Recognition and cleavage of primary microRNA precursors by the nuclear processing enzyme Drosha. <b>2005</b> , 24, 138-48	440
2032	A plant RNA virus suppresses RNA silencing through viral RNA replication. <b>2005</b> , 24, 3147-57	108
2031	siRNA therapeutics: big potential from small RNAs. <b>2005</b> , 12, 5-11	279
2030	Insertion of microRNA-125b-1, a human homologue of lin-4, into a rearranged immunoglobulin heavy chain gene locus in a patient with precursor B-cell acute lymphoblastic leukemia. <b>2005</b> , 19, 2009-10	103

2029	Expanding the 'central dogma': the regulatory role of nonprotein coding genes and implications for the genetic liability to schizophrenia. <b>2005</b> , 10, 69-78	76
2028	Role of the adenosine 3',5'-cyclic monophosphate (cAMP) in enhancing the efficacy of siRNA-mediated gene silencing in neuroblastoma cells. <b>2005</b> , 24, 4149-54	5
2027	Highly coupled ATP synthesis by F1-ATPase single molecules. <b>2005</b> , 433, 773-7	320
2026	Microarray analysis shows that some microRNAs downregulate large numbers of target mRNAs. <b>2005</b> , 433, 769-73	3967
2025	Systematic discovery of regulatory motifs in human promoters and 3' UTRs by comparison of several mammals. <b>2005</b> , 434, 338-45	1551
2024	A microRNA polycistron as a potential human oncogene. <b>2005</b> , 435, 828-33	3084
2023	c-Myc-regulated microRNAs modulate E2F1 expression. <b>2005</b> , 435, 839-43	2422
2022	MicroRNA expression profiles classify human cancers. <b>2005</b> , 435, 834-8	7870
2021	TRBP recruits the Dicer complex to Ago2 for microRNA processing and gene silencing. <b>2005</b> , 436, 740-4	1607
2020	The map-based sequence of the rice genome. <b>2005</b> , 436, 793-800	2923
2019	The microRNA miR-196 acts upstream of Hoxb8 and Shh in limb development. <b>2005</b> , 438, 671-4	343
2018	Silencing of microRNAs in vivo with 'antagomirs'. <b>2005</b> , 438, 685-9	3298
2017	Plug-and-play with RNA. <b>2005</b> , 23, 306-7	18
2016	RNA interference: methylation mystery. <b>2005</b> , 433, 472-3	23
2015	Cancer genomics: small RNAs with big impacts. <b>2005</b> , 435, 745-6	288
2014	Organic chemistry: fast reactions 'on water'. <b>2005</b> , 435, 746-7	223
2013	Developmental biology: tiny brakes for a growing heart. <b>2005</b> , 436, 181-2	16
2012	Astronomy: giant planet seeks nursery place. <b>2005</b> , 436, 182-3	8

2011	Come FLY with us: toward understanding fragile X syndrome. <b>2005</b> , 4, 385-92	39
2010	Computational Identification of Novel Family Members of MicroRNA Genes in Arabidopsis thaliana and Oryza sativa. <b>2005</b> , 37, 75-87	11
2009	Role reversal: the regulation of neuronal gene expression by microRNAs. <b>2005</b> , 15, 507-13	50
2008	The early extra petals1 mutant uncovers a role for microRNA miR164c in regulating petal number in Arabidopsis. <b>2005</b> , 15, 303-15	274
2007	RNAi-mediated allelic trans-interaction at the imprinted Rtl1/Peg11 locus. 2005, 15, 743-9	264
2006	MicroRNAs: all gone and then what?. <b>2005</b> , 15, R387-9	2
2005	Partially redundant functions of Arabidopsis DICER-like enzymes and a role for DCL4 in producing trans-acting siRNAs. <b>2005</b> , 15, 1494-500	480
2004	Methylation protects miRNAs and siRNAs from a 3'-end uridylation activity in Arabidopsis. <b>2005</b> , 15, 1501-7	616
2003	A miRNA involved in phosphate-starvation response in Arabidopsis. <b>2005</b> , 15, 2038-43	691
2002	Identification of novel argonaute-associated proteins. <b>2005</b> , 15, 2149-55	425
2001	A new frontier for molecular medicine: noncoding RNAs. <b>2005</b> , 1756, 65-75	52
2000	The many faces of the helix-turn-helix domain: transcription regulation and beyond. <b>2005</b> , 29, 231-62	339
1999	Functional genomics using high-throughput RNA interference. <b>2005</b> , 10, 205-12	43
1998	A computational view of microRNAs and their targets. <b>2005</b> , 10, 595-601	90
1997	RNA silencing suppressor p21 of Beet yellows virus forms an RNA binding octameric ring structure. <b>2005</b> , 13, 1375-84	55
1996	Signaling to translational control pathways: diversity in gene regulation in inflammatory and vascular cells. <b>2005</b> , 15, 9-17	22
1995	siRNA and miRNA: an insight into RISCs. <b>2005</b> , 30, 106-14	348

1993	Small non-coding RNAs as magic bullets. <b>2005</b> , 30, 445-52	38
1992	Non-coding RNAs: hope or hype?. <b>2005</b> , 21, 289-97	316
1991	The developmental role of microRNA in plants. <b>2005</b> , 8, 38-44	320
1990	Intercellular signalling in the transition from stem cells to organogenesis in meristems. <b>2005</b> , 8, 26-31	29
1989	RNA silencing and antiviral defense in plants. <b>2005</b> , 8, 216-22	144
1988	The complex interplay between plant viruses and host RNA-silencing pathways. <b>2005</b> , 8, 415-23	129
1987	Time to grow up: the temporal role of smallRNAs in plants. <b>2005</b> , 8, 548-52	50
1986	Riboswitches as versatile gene control elements. <b>2005</b> , 15, 342-8	436
1985	Post-transcriptional gene silencing by siRNAs and miRNAs. <b>2005</b> , 15, 331-41	419
1984	Identification of clustered microRNAs using an ab initio prediction method. <b>2005</b> , 6, 267	193
1983	Classification of real and pseudo microRNA precursors using local structure-sequence features and support vector machine. <b>2005</b> , 6, 310	336
1982	XenDB: full length cDNA prediction and cross species mapping in Xenopus laevis. <b>2005</b> , 6, 123	3
1981	Prediction and verification of microRNA targets by MovingTargets, a highly adaptable prediction method. <b>2005</b> , 6, 88	59
1980	New perspectives on neoplasia and the RNA world. <b>2005</b> , 23, 49-53	22
1979	9p21 locus analysis in high-risk gastrointestinal stromal tumors characterized for c-kit and platelet-derived growth factor receptor alpha gene alterations. <b>2005</b> , 104, 159-69	53
1978	Post-embryonic expression of C. elegans microRNAs belonging to the lin-4 and let-7 families in the hypodermis and the reproductive system. <b>2005</b> , 234, 868-77	78
1977	Reciprocal expression of lin-41 and the microRNAs let-7 and mir-125 during mouse embryogenesis. <b>2005</b> , 234, 1046-54	142
1976	Molecular mechanisms of RNAi: implications for development and disease. <b>2005</b> , 75, 28-42	17

1975	Photoinduced transcription by using temporarily mismatched caged oligonucleotides. <b>2005</b> , 44, 471-3	108
1974	Lichtinduzierte Transkription mit vorBergehend fehlgepaarten Oligonucleotiden. <b>2005</b> , 117, 475-477	38
1973	Evolution of microRNAs located within Hox gene clusters. <b>2005</b> , 304, 75-85	126
1972	The role of small RNAs in human diseases: potential troublemaker and therapeutic tools. <b>2005</b> , 25, 361-81	46
1971	From RNAi to epigenomes: how RNA rules the world. <b>2005</b> , 6, 441-3	7
1970	About the nature of RNA interference. <b>2005</b> , 67, 429-35	10
1969	Mapping and expression studies of the mir17-92 cluster on pig chromosome 11. <b>2005</b> , 16, 594-8	17
1968	Therapeutic gene silencing in neurological disorders, using interfering RNA. 2005, 83, 413-9	25
1967	Silence of the transcripts: RNA interference in medicine. <b>2005</b> , 83, 764-73	54
1966	Plant and animal microRNAs: similarities and differences. <b>2005</b> , 5, 129-35	166
1965	Ultrastructural localization of connexins (Cx36, Cx43, Cx45), glutamate receptors and aquaporin-4 in rodent olfactory mucosa, olfactory nerve and olfactory bulb. <b>2005</b> , 34, 307-41	78
1964	Heterochromatin formation: role of short RNAs and DNA methylation. <b>2005</b> , 70, 1187-98	14
1963	Active RNA silencing at low temperature indicates distinct pathways for antisense-mediated gene-silencing in potato. <b>2005</b> , 59, 595-602	19
1962	BIC and miR-155 are highly expressed in Hodgkin, primary mediastinal and diffuse large B cell lymphomas. <b>2005</b> , 207, 243-9	584
1961	microRNA target predictions across seven Drosophila species and comparison to mammalian targets. <b>2005</b> , 1, e13	349
1960	Application of RNAi to cancer research and therapy. <b>2005</b> , 10, 1946-60	19
1959	RNAi and functional genomics. <b>2005</b> , 22, 431-442	10
1958	Regulated RNA processing in the control of Arabidopsis flowering. <b>2005</b> , 49, 773-80	69

1957	. 2005,	15
1956	RNA silencing suppressors encoded by viruses of the family Tombusviridae. <b>2005</b> , 22, 447-454	3
1955	. 2005,	2
1954	Human microRNAs. 2005,	
1953	Plant microRNAs and development. <b>2005</b> , 49, 733-44	52
1952	Natural antisense transcripts associated with genes involved in eye development. <b>2005</b> , 14, 913-23	94
1951	The contributions of dsRNA structure to Dicer specificity and efficiency. <b>2005</b> , 11, 674-82	202
1950	Molecular Mechanisms Regulating mRNA Stability: Physiological and Pathological Significance. <b>2005</b> , 6, 471-486	18
1949	RNA splicing manipulation: strategies to modify gene expression for a variety of therapeutic outcomes. <b>2005</b> , 5, 467-83	30
1948	Camels and zebrafish, viruses and cancer: a microRNA update. <b>2005</b> , 14 Spec No. 2, R183-90	76
1947	Human microRNA (miR29b) expression controls the amount of branched chain alpha-ketoacid dehydrogenase complex in a cell. <b>2005</b> , 14, 3371-7	71
1946	Puzzles of the Human Genome: Why Do We Need Our Introns?. <b>2005</b> , 6, 589-595	18
1945	Principles of microRNA-target recognition. <b>2005</b> , 3, e85	1746
1944	Delivering RNA interference to the mammalian brain. <b>2005</b> , 5, 399-410	48
1943	Use of RNA polymerase II to transcribe artificial microRNAs. <b>2005</b> , 392, 371-80	101
1942	The Putative RNA-dependent RNA polymerase RDR6 acts synergistically with ASYMMETRIC LEAVES1 and 2 to repress BREVIPEDICELLUS and MicroRNA165/166 in Arabidopsis leaf development. <b>2005</b> , 17, 2157-71	153
1941	Pervasive regulation of Drosophila Notch target genes by GY-box-, Brd-box-, and K-box-class microRNAs. <b>2005</b> , 19, 1067-80	236
1940	Weighted sequence motifs as an improved seeding step in microRNA target prediction algorithms. <b>2005</b> , 11, 995-1003	91

1939	Telencephalic embryonic subtractive sequences: a unique collection of neurodevelopmental genes. <b>2005</b> , 25, 7586-600	5
1938	Systems biology in the cell nucleus. <b>2005</b> , 118, 4083-92	31
1937	The evolutionary fate of MULE-mediated duplications of host gene fragments in rice. <b>2005</b> , 15, 1292-7	158
1936	Ectopic DICER-LIKE1 expression in P1/HC-Pro Arabidopsis rescues phenotypic anomalies but not defects in microRNA and silencing pathways. <b>2005</b> , 17, 2873-85	63
1935	Dissecting MECP2 function in the central nervous system. <b>2005</b> , 20, 753-9	29
1934	A potential link between transgene silencing and poly(A) tails. <b>2005</b> , 11, 1004-11	15
1933	TarBase: A comprehensive database of experimentally supported animal microRNA targets. <b>2006</b> , 12, 192-7	481
1932	Dicer-1 and R3D1-L catalyze microRNA maturation in Drosophila. <b>2005</b> , 19, 1674-9	234
1931	MicroRNAs and endocrine biology. <b>2005</b> , 187, 327-32	138
1930	Loss of function of OsDCL1 affects microRNA accumulation and causes developmental defects in rice. <b>2005</b> , 139, 296-305	185
1929	MicroRNA-directed regulation of Arabidopsis AUXIN RESPONSE FACTOR17 is essential for proper development and modulates expression of early auxin response genes. <b>2005</b> , 17, 1360-75	682
1928	MicroRNA directs mRNA cleavage of the transcription factor NAC1 to downregulate auxin signals for arabidopsis lateral root development. <b>2005</b> , 17, 1376-86	786
1927	Characterization of a highly variable eutherian microRNA gene. 2005, 11, 1245-57	117
1926	Slicer function of Drosophila Argonautes and its involvement in RISC formation. <b>2005</b> , 19, 2837-48	304
1925	Mechanism of hairpin-duplex conversion for the HIV-1 dimerization initiation site. <b>2005</b> , 280, 40112-21	36
1924	Current efforts in the analysis of RNAi and RNAi target genes. <b>2005</b> , 6, 72-85	8
1923	A pathway for the biogenesis of trans-acting siRNAs in Arabidopsis. <b>2005</b> , 19, 2164-75	564
1922	A global approach combining proteome analysis and phenotypic screening with RNA interference yields novel apoptosis regulators. <b>2005</b> , 4, 44-55	43

1921 Not miR-ly muscular: microRNAs and muscle development. <b>2005</b> , 19, 2261-4	30
1920 MicroRNAs Regulate Auxin Homeostasis and Plant Development. <b>2005</b> , 17, 1335-1338	20
1919 Nuclear processing and export of microRNAs in Arabidopsis. <b>2005</b> , 102, 3691-6	528
Kissing complex RNAs mediate interaction between the Fragile-X mental retardation protein KH2 domain and brain polyribosomes. <b>2005</b> , 19, 903-18	208
1917 Small RNAs and Arabidopsis. A fast forward look. <b>2005</b> , 138, 565-6	12
1916 RNA Silencing. <b>2005</b> ,	
1915 Identification of a peach latent mosaic viroid hairpin able to act as a Dicer-like substrate. <b>2005</b> , 79, 6540-2	31
1914 RNAi as a bioinformatics consumer. <b>2005</b> , 6, 146-62	12
Cloning and identification of a microRNA cluster within the latency-associated region of Kaposi's sarcoma-associated herpesvirus. <b>2005</b> , 79, 9301-5	343
Cold stress-induced protein Rbm3 binds 60S ribosomal subunits, alters microRNA levels, and enhances global protein synthesis. <b>2005</b> , 102, 1865-70	165
Gene therapy progress and prospects: recent progress in transgene and RNAi expression cassettes. <b>2005</b> , 12, 795-802	26
1910 Preparation and analysis of Drosha. <b>2005</b> , 309, 17-28	5
1909 Immunoprecipitation of microRNPs and directional cloning of microRNAs. <b>2005</b> , 309, 283-94	15
1908 High-throughput analysis of microRNA gene expression using sensitive probes. <b>2005</b> , 309, 311-20	3
Moving toward a systems biology approach to the study of fungal pathogenesis in the rice blast fungus Magnaporthe grisea. <b>2005</b> , 57, 177-215	15
1906 Mechanistic insights aid computational short interfering RNA design. <b>2005</b> , 392, 73-96	57
1905 MicroRNA and lung cancer. <b>2005</b> , 352, 2446-8	102
Identification of components of RNAi pathways using the tandem affinity purification method. <b>2005</b> , 309, 1-9	3

1903	MicroRNA-dependent trans-acting siRNA production. <b>2005</b> , 2005, pe43	55
1902	A developmental timing microRNA and its target regulate life span in C. elegans. <b>2005</b> , 310, 1954-7	388
1901	Prediction and Analysis of Human microRNA Regulatory Modules. 2005, 2005, 4799-802	5
1900	Epigenetic and chromatin modifiers as targeted therapy of hematologic malignancies. <b>2005</b> , 23, 3971-93	282
1899	miR-15 and miR-16 induce apoptosis by targeting BCL2. <b>2005</b> , 102, 13944-9	2912
1898	Targets of microRNA regulation in the Drosophila oocyte proteome. <b>2005</b> , 102, 12023-8	69
1897	Auxin: regulation, action, and interaction. 2005, 95, 707-35	1562
1896	Hereditary Peripheral Neuropathies. 2005,	3
1895	Argonaute protein PIWI controls mobilization of retrotransposons in the Drosophila male germline. <b>2005</b> , 33, 2052-9	171
1894	Regulation of Arabidopsis shoot apical meristem and lateral organ formation by microRNA miR166g and its AtHD-ZIP target genes. <b>2005</b> , 132, 3657-68	334
1893	Aberrant T cell differentiation in the absence of Dicer. <b>2005</b> , 202, 261-9	537
1892	A postulated role for microRNA in cellular differentiation. <b>2005</b> , 19, 875-9	36
1891	The role of microRNA genes in papillary thyroid carcinoma. <b>2005</b> , 102, 19075-80	1025
1890	MicroRNAs control translation initiation by inhibiting eukaryotic initiation factor 4E/cap and poly(A) tail function. <b>2005</b> , 102, 16961-6	486
1889	Natural antisense transcripts. <b>2005</b> , 2, 53-62	48
1888	A cellular microRNA mediates antiviral defense in human cells. <b>2005</b> , 308, 557-60	755
1887	T cell lineage choice and differentiation in the absence of the RNase III enzyme Dicer. <b>2005</b> , 201, 1367-73	441
1886	Overexpression of exportin 5 enhances RNA interference mediated by short hairpin RNAs and microRNAs. <b>2005</b> , 11, 220-6	204

1885	Direct isolation and identification of promoters in the human genome. <b>2005</b> , 15, 830-9	70
1884	Natural antisense transcripts: sound or silence?. <b>2005</b> , 23, 125-31	67
1883	Compensatory contributions of HEXIM1 and HEXIM2 in maintaining the balance of active and inactive positive transcription elongation factor b complexes for control of transcription. <b>2005</b> , 280, 16368-76	81
1882	The Drosophila microRNA iab-4 causes a dominant homeotic transformation of halteres to wings. <b>2005</b> , 19, 2947-52	131
1881	Extensive 3' modification of plant small RNAs is modulated by helper component-proteinase expression. <b>2005</b> , 102, 13398-403	125
1880	DICER-LIKE 4 functions in trans-acting small interfering RNA biogenesis and vegetative phase change in Arabidopsis thaliana. <b>2005</b> , 102, 12984-9	447
1879	A cAMP-response element binding protein-induced microRNA regulates neuronal morphogenesis. <b>2005</b> , 102, 16426-31	683
1878	Kaposi's sarcoma-associated herpesvirus expresses an array of viral microRNAs in latently infected cells. <b>2005</b> , 102, 5570-5	503
1877	Efficient processing of primary microRNA hairpins by Drosha requires flanking nonstructured RNA sequences. <b>2005</b> , 280, 27595-603	224
1876	Incorporating structure to predict microRNA targets. <b>2005</b> , 102, 4006-9	205
1875	Suppression of RNA interference by adenovirus virus-associated RNA. <b>2005</b> , 79, 9556-65	276
1874	ADAR1 RNA deaminase limits short interfering RNA efficacy in mammalian cells. <b>2005</b> , 280, 3946-53	119
1873	An oligonucleotide microarray for microRNA expression analysis based on labeling RNA with quantum dot and nanogold probe. <b>2005</b> , 33, e17	271
1872	Simple, quantitative primer-extension PCR assay for direct monitoring of microRNAs and short-interfering RNAs. <b>2005</b> , 11, 1737-44	366
1871	Computational Identification of Regulatory Factors Involved in MicroRNA Transcription. 2005, 457-468	4
1870	Control of root cap formation by MicroRNA-targeted auxin response factors in Arabidopsis. <b>2005</b> , 17, 2204-16	619
1869	Expression of Arabidopsis MIRNA genes. <b>2005</b> , 138, 2145-54	523
1868	Cloning and characterization of microRNAs from rice. <b>2005</b> , 17, 1397-411	429

1867	MicroRNA functions in animal development and human disease. <b>2005</b> , 132, 4653-62	1046
1866	Transcriptional silencing of a transgene by RNAi in the soma of C. elegans. <b>2005</b> , 19, 683-96	131
1865	Epigenetic manipulation of gene expression: a toolkit for cell biologists. <b>2005</b> , 169, 847-57	17
1864	mRNA with a . <b>2005</b> , 11, 1131-40	26
1863	Microarray profiling of microRNAs reveals frequent coexpression with neighboring miRNAs and host genes. <b>2005</b> , 11, 241-7	1109
1862	Poliovirus escape from RNA interference: short interfering RNA-target recognition and implications for therapeutic approaches. <b>2005</b> , 79, 1027-35	200
1861	RNA-guided RNA modification: functional organization of the archaeal H/ACA RNP. <b>2005</b> , 19, 1238-48	107
1860	The T loop structure is dispensable for substrate recognition by tRNase ZL. <b>2005</b> , 280, 22326-34	25
1859	Natural antisense RNAs in the nervous system. <b>2005</b> , 16, 213-22	20
1858	Global and Hox-specific roles for the MLL1 methyltransferase. <b>2005</b> , 102, 8603-8	281
1857	MicroRNA Mirn122a reduces expression of the posttranscriptionally regulated germ cell transition protein 2 (Tnp2) messenger RNA (mRNA) by mRNA cleavage. <b>2005</b> , 73, 427-33	186
1856	A database analysis method identifies an endogenous trans-acting short-interfering RNA that targets the Arabidopsis ARF2, ARF3, and ARF4 genes. <b>2005</b> , 102, 9703-8	253
1855	The RNaseIII enzyme Dicer is required for morphogenesis but not patterning of the vertebrate limb. <b>2005</b> , 102, 10898-903	577
1854	MicroRNAs 221 and 222 inhibit normal erythropoiesis and erythroleukemic cell growth via kit receptor down-modulation. <b>2005</b> , 102, 18081-6	691
1853	Human microRNAs target a functionally distinct population of genes with AT-rich 3' UTRs. <b>2005</b> , 102, 15557-62	70
1852	Developmental biology. Encountering microRNAs in cell fate signaling. <b>2005</b> , 310, 1288-9	264
1851	A human, ATP-independent, RISC assembly machine fueled by pre-miRNA. <b>2005</b> , 19, 2979-90	303
1850	Identification and characterization of endogenous small interfering RNAs from rice. 2005, 33, 4443-54	89

184	LongSAGE analysis revealed the presence of a large number of novel antisense genes in the mouse genome. <b>2005</b> , 21, 1389-92	14
182	48 microRNA-guided posttranscriptional gene regulation. <b>2005</b> , 386, 1205-18	105
182	<sup>47</sup> Single-molecule RNA science. <b>2005</b> , 34, 399-414	138
182	Transcriptome Profiling of Embryonic Stem Cells. <b>2005</b> , 71-97	1
182	Simultaneous Alignment and Structure Prediction of RNAs. <b>2005</b> , 936-943	O
182	Differential protective properties of estradiol and tamoxifen against methamphetamine-induced nigrostriatal dopaminergic toxicity in mice. <b>2005</b> , 82, 111-20	29
182	Systematic search for natural antisense transcripts in eukaryotes (Review). <b>2005</b> , 15, 197	1
182	Human microRNA prediction through a probabilistic co-learning model of sequence and structure. <b>2005</b> , 33, 3570-81	174
182	Rational probe optimization and enhanced detection strategy for microRNAs using microarrays. <b>2005</b> , 2, 93-100	53
182	Detection and discovery of RNA modifications using microarrays. <b>2005</b> , 33, e2	41
182	ADAR gene family and A-to-I RNA editing: diverse roles in posttranscriptional gene regulation. 2005	143
183	ADAR gene family and A-to-I RNA editing: diverse roles in posttranscriptional gene regulation. <b>2005</b>	
183	ADAR gene family and A-to-I RNA editing: diverse roles in posttranscriptional gene regulation. <b>2005</b> , 79, 299-338  microPrimer: the biogenesis and function of microRNA. <b>2005</b> , 132, 4645-52  Molecular genetic analyses of microsporogenesis and microgametogenesis in flowering plants	143
183 183	ADAR gene family and A-to-I RNA editing: diverse roles in posttranscriptional gene regulation. <b>2005</b> , 79, 299-338  microPrimer: the biogenesis and function of microRNA. <b>2005</b> , 132, 4645-52  Molecular genetic analyses of microsporogenesis and microgametogenesis in flowering plants. <b>2005</b> , 56, 393-434	143 600
183 183	ADAR gene family and A-to-I RNA editing: diverse roles in posttranscriptional gene regulation. 2005, 79, 299-338  microPrimer: the biogenesis and function of microRNA. 2005, 132, 4645-52  Molecular genetic analyses of microsporogenesis and microgametogenesis in flowering plants. 2005, 56, 393-434  Inhibition of translational initiation by Let-7 MicroRNA in human cells. 2005, 309, 1573-6	143 600 470
183 183 183	ADAR gene family and A-to-I RNA editing: diverse roles in posttranscriptional gene regulation. 2005, 79, 299-338  microPrimer: the biogenesis and function of microRNA. 2005, 132, 4645-52  Molecular genetic analyses of microsporogenesis and microgametogenesis in flowering plants. 2005, 56, 393-434  Inhibition of translational initiation by Let-7 MicroRNA in human cells. 2005, 309, 1573-6  RNA interference: from gene silencing to gene-specific therapeutics. 2005, 107, 222-39	143 600 470 1132
183 183 183	ADAR gene family and A-to-I RNA editing: diverse roles in posttranscriptional gene regulation. 2005, 79, 299-338  microPrimer: the biogenesis and function of microRNA. 2005, 132, 4645-52  Molecular genetic analyses of microsporogenesis and microgametogenesis in flowering plants. 2005, 56, 393-434  Inhibition of translational initiation by Let-7 MicroRNA in human cells. 2005, 309, 1573-6  RNA interference: from gene silencing to gene-specific therapeutics. 2005, 107, 222-39  As antisense RNA gets intronic. 2005, 9, 2-12  MicroRNA1 influences cardiac differentiation in Drosophila and regulates Notch signaling. 2005	143 600 470 1132 285
183 183 183 183 183	ADAR gene family and A-to-I RNA editing: diverse roles in posttranscriptional gene regulation. 2005, 79, 299-338  microPrimer: the biogenesis and function of microRNA. 2005, 132, 4645-52  Molecular genetic analyses of microsporogenesis and microgametogenesis in flowering plants. 2005, 56, 393-434  Inhibition of translational initiation by Let-7 MicroRNA in human cells. 2005, 309, 1573-6  RNA interference: from gene silencing to gene-specific therapeutics. 2005, 107, 222-39  As antisense RNA gets intronic. 2005, 9, 2-12  MicroRNA1 influences cardiac differentiation in Drosophila and regulates Notch signaling. 2005,	143 600 470 1132 285

1831	Methylation as a crucial step in plant microRNA biogenesis. <b>2005</b> , 307, 932-5	817
1830	Antisense inhibition of human miRNAs and indications for an involvement of miRNA in cell growth and apoptosis. <b>2005</b> , 33, 1290-7	1138
1829	Ribo-gnome: the big world of small RNAs. <b>2005</b> , 309, 1519-24	1098
1828	Small regulatory RNAs in mammals. <b>2005</b> , 14 Spec No 1, R121-32	388
1827	The nonviral episomal replicating vector pEPI-1 allows long-term inhibition of bcr-abl expression by shRNA. <b>2005</b> , 16, 533-9	30
1826	siRNA induced transcriptional gene silencing in mammalian cells. <b>2005</b> , 4, 442-8	39
1825	RNase E-based ribonucleoprotein complexes: mechanical basis of mRNA destabilization mediated by bacterial noncoding RNAs. <b>2005</b> , 19, 2176-86	374
1824	Clustering and conservation patterns of human microRNAs. <b>2005</b> , 33, 2697-706	627
1823	miRU: an automated plant miRNA target prediction server. <b>2005</b> , 33, W701-4	292
1822	Functional gene-discovery systems based on libraries of hammerhead and hairpin ribozymes and short hairpin RNAs. <b>2005</b> , 1, 27-35	4
1822 1821	short hairpin RNAs. <b>2005</b> , 1, 27-35	443
	short hairpin RNAs. <b>2005</b> , 1, 27-35	
1821	short hairpin RNAs. 2005, 1, 27-35  Real-time expression profiling of microRNA precursors in human cancer cell lines. 2005, 33, 5394-403  Novel and mechanical stress-responsive MicroRNAs in Populus trichocarpa that are absent from Arabidopsis. 2005, 17, 2186-203	443
1821 1820	Real-time expression profiling of microRNA precursors in human cancer cell lines. 2005, 33, 5394-403  Novel and mechanical stress-responsive MicroRNAs in Populus trichocarpa that are absent from Arabidopsis. 2005, 17, 2186-203	443 472
1821 1820 1819	Real-time expression profiling of microRNA precursors in human cancer cell lines. 2005, 33, 5394-403  Novel and mechanical stress-responsive MicroRNAs in Populus trichocarpa that are absent from Arabidopsis. 2005, 17, 2186-203  RAKE and LNA-ISH reveal microRNA expression and localization in archival human brain. 2006, 12, 187-91	443 472 249
1821 1820 1819	Real-time expression profiling of microRNA precursors in human cancer cell lines. 2005, 33, 5394-403  Novel and mechanical stress-responsive MicroRNAs in Populus trichocarpa that are absent from Arabidopsis. 2005, 17, 2186-203  RAKE and LNA-ISH reveal microRNA expression and localization in archival human brain. 2006, 12, 187-91  MicroRNA function: multiple mechanisms for a tiny RNA?. 2005, 11, 1753-61  Computational prediction of miRNAs in Arabidopsis thaliana. 2005, 15, 78-91	443 472 249 540
1821 1820 1819 1818	Real-time expression profiling of microRNA precursors in human cancer cell lines. 2005, 33, 5394-403  Novel and mechanical stress-responsive MicroRNAs in Populus trichocarpa that are absent from Arabidopsis. 2005, 17, 2186-203  RAKE and LNA-ISH reveal microRNA expression and localization in archival human brain. 2006, 12, 187-91  MicroRNA function: multiple mechanisms for a tiny RNA?. 2005, 11, 1753-61  Computational prediction of miRNAs in Arabidopsis thaliana. 2005, 15, 78-91	443 472 249 540 279

1813	Quantum dot-conjugated hybridization probes for preliminary screening of siRNA sequences. <b>2005</b> , 127, 11328-35	95
1812	MicroRNA identification based on sequence and structure alignment. <b>2005</b> , 21, 3610-4	237
1811	Unusually short RNA sequences: design of a 13-mer RNA that selectively binds and recognizes theophylline. <b>2005</b> , 127, 5290-1	39
1810	Annotating non-coding RNAs with Rfam. <b>2005</b> , Chapter 12, Unit 12.5	19
1809	Suppression of RNA silencing by a geminivirus nuclear protein, AC2, correlates with transactivation of host genes. <b>2005</b> , 79, 2517-27	219
1808	MicroRNA-21 is an antiapoptotic factor in human glioblastoma cells. <b>2005</b> , 65, 6029-33	2126
1807	Rnai as an experimental and therapeutic tool to study and regulate physiological and disease processes. <b>2005</b> , 67, 147-73	90
1806	Accumulation of miR-155 and BIC RNA in human B cell lymphomas. 2005, 102, 3627-32	1180
1805	An abundance of RNA regulators. <b>2005</b> , 74, 199-217	316
1804	Defining and assaying RNAi in mammalian cells. <b>2005</b> , 17, 1-10	123
1803	Biochemical specialization within Arabidopsis RNA silencing pathways. <b>2005</b> , 19, 421-8	356
1802	The developmental timing regulator AIN-1 interacts with miRISCs and may target the argonaute protein ALG-1 to cytoplasmic P bodies in C. elegans. <b>2005</b> , 19, 437-47	213
1801	Intronic microRNAs. <b>2005</b> , 326, 515-20	99
1800	Extensive modulation of a set of microRNAs in primary glioblastoma. <b>2005</b> , 334, 1351-8	913
1799	Targets for human encoded microRNAs in HIV genes. <b>2005</b> , 337, 1214-8	181
1798	MicroRNAs: a developing story. <b>2005</b> , 15, 200-5	262
1797	How microRNAs control cell division, differentiation and death. <b>2005</b> , 15, 563-8	684
1796	Regulation of translation via mRNA structure in prokaryotes and eukaryotes. <b>2005</b> , 361, 13-37	543

1795	Phylogenetic shadowing and computational identification of human microRNA genes. <i>Cell</i> , <b>2005</b> , 120, 21-4	56.2	1087
1794	Conserved seed pairing, often flanked by adenosines, indicates that thousands of human genes are microRNA targets. <i>Cell</i> , <b>2005</b> , 120, 15-20	56.2	9564
1793	RAS is regulated by the let-7 microRNA family. <i>Cell</i> , <b>2005</b> , 120, 635-47	56.2	2989
1792	microRNA-directed phasing during trans-acting siRNA biogenesis in plants. <i>Cell</i> , <b>2005</b> , 121, 207-21	56.2	1783
1791	Antisense-mediated depletion reveals essential and specific functions of microRNAs in Drosophila development. <i>Cell</i> , <b>2005</b> , 121, 1097-108	56.2	276
1790	miRNAs, cancer, and stem cell division. <i>Cell</i> , <b>2005</b> , 122, 6-7	56.2	1156
1789	Regulation by let-7 and lin-4 miRNAs results in target mRNA degradation. <i>Cell</i> , <b>2005</b> , 122, 553-63	56.2	1116
1788	Core transcriptional regulatory circuitry in human embryonic stem cells. <i>Cell</i> , <b>2005</b> , 122, 947-56	56.2	3494
1787	Passenger-strand cleavage facilitates assembly of siRNA into Ago2-containing RNAi enzyme complexes. <i>Cell</i> , <b>2005</b> , 123, 607-20	56.2	880
1786	A minicircuitry comprised of microRNA-223 and transcription factors NFI-A and C/EBPalpha regulates human granulopoiesis. <i>Cell</i> , <b>2005</b> , 123, 819-31	56.2	852
1785	Human RISC couples microRNA biogenesis and posttranscriptional gene silencing. <i>Cell</i> , <b>2005</b> , 123, 631-4	<b>19</b> 6.2	1201
1784	A microRNA mediates EGF receptor signaling and promotes photoreceptor differentiation in the Drosophila eye. <i>Cell</i> , <b>2005</b> , 123, 1267-77	56.2	300
1783	Animal MicroRNAs confer robustness to gene expression and have a significant impact on 3'UTR evolution. <i>Cell</i> , <b>2005</b> , 123, 1133-46	56.2	890
1782	Endogenous siRNAs derived from a pair of natural cis-antisense transcripts regulate salt tolerance in Arabidopsis. <i>Cell</i> , <b>2005</b> , 123, 1279-91	56.2	887
1781	MicroRNAs: Small regulators with a big impact. <b>2005</b> , 16, 387-93		50
1780	The temporal patterning microRNA let-7 regulates several transcription factors at the larval to adult transition in C. elegans. <b>2005</b> , 8, 321-30		214
1779	Specific effects of microRNAs on the plant transcriptome. <b>2005</b> , 8, 517-27		1178
1778	The let-7 MicroRNA family members mir-48, mir-84, and mir-241 function together to regulate developmental timing in Caenorhabditis elegans. <b>2005</b> , 9, 403-14		379

1777	Regulatory mutations of mir-48, a C. elegans let-7 family MicroRNA, cause developmental timing defects. <b>2005</b> , 9, 415-22	84
1776	Stage-specific expression of microRNAs during Xenopus development. <b>2005</b> , 579, 318-24	132
1775	MicroRNA function in animal development. <b>2005</b> , 579, 5911-22	625
1774	MicroRNA biogenesis and function in plants. <b>2005</b> , 579, 5923-31	397
1773	Identification and characterization of small RNAs involved in RNA silencing. 2005, 579, 5830-40	185
1772	Genome-wide application of RNAi to the discovery of potential drug targets. <b>2005</b> , 579, 5988-95	22
1771	Uncovering RNAi mechanisms in plants: biochemistry enters the foray. <b>2005</b> , 579, 5899-903	44
1770	Dicing and slicing: the core machinery of the RNA interference pathway. <b>2005</b> , 579, 5822-9	388
1769	RNAi-directed assembly of heterochromatin in fission yeast. <b>2005</b> , 579, 5872-8	112
1768	Prediction and validation of microRNAs and their targets. <b>2005</b> , 579, 5904-10	269
1767	The role of ARGONAUTE1 (AGO1) in meristem formation and identity. <b>2005</b> , 280, 504-17	114
1766	RNAi-induced targeted silencing of developmental control genes during chicken embryogenesis. <b>2005</b> , 285, 80-90	44
1765	Absence of non-specific effects of RNA interference triggered by long double-stranded RNA in mouse oocytes. <b>2005</b> , 286, 464-71	81
1764	NAC transcription factors: structurally distinct, functionally diverse. <b>2005</b> , 10, 79-87	932
1763	RNA interference and plant parasitic nematodes. <b>2005</b> , 10, 362-7	75
1762	Stem cells: from epigenetics to microRNAs. <b>2005</b> , 46, 363-7	115
1761	MicroRNAs as regulators of mammalian hematopoiesis. <b>2005</b> , 17, 155-65	168
1760	On the delivery of small interfering RNAs into mammalian cells. <b>2005</b> , 2, 639-51	60

1759	Facile means for quantifying microRNA expression by real-time PCR. <b>2005</b> , 39, 519-25	600
1758	Mechanisms of translational regulation in Drosophila. <b>2005</b> , 97, 235-52	69
1757	Normal microRNA maturation and germ-line stem cell maintenance requires Loquacious, a double-stranded RNA-binding domain protein. <b>2005</b> , 3, e236	412
1756	RNA localization mechanisms in oocytes. <b>2005</b> , 118, 269-82	111
1755	Evidence for a preferential targeting of 3'-UTRs by cis-encoded natural antisense transcripts. <b>2005</b> , 33, 5533-43	76
1754	RNA silencing in plants. <b>2005</b> , 41, 113-123	16
1753	Locked nucleic acid (LNA): High affinity targeting of RNA for diagnostics and therapeutics. <b>2005</b> , 2, 287-90	57
1752	Epigenome programming by Polycomb and Trithorax proteins. <b>2005</b> , 83, 322-31	29
1751	Translating RNA interference into therapies for human disease. <b>2005</b> , 6, 879-83	25
1750	The silent revolution: RNA interference as basic biology, research tool, and therapeutic. <b>2005</b> , 56, 401-23	278
1749	Plant pathology and RNAi: a brief history. <b>2005</b> , 43, 191-204	99
1748	MicroRNA gene expression deregulation in human breast cancer. <b>2005</b> , 65, 7065-70	3315
1747	Drosophila microRNAs exhibit diverse spatial expression patterns during embryonic development. <b>2005</b> , 102, 18017-22	219
1746	A MicroRNA signature associated with prognosis and progression in chronic lymphocytic leukemia. <b>2005</b> , 353, 1793-801	2041
1745	BACK MATTER. <b>2005</b> , 372-456	
1744	Non-viral Gene Therapy. <b>2005</b> ,	15
	A Kernel Method for MicroRNA Target Prediction Using Sensible Data and Position-Based Features. <b>2005</b> ,	1
1742	Prediction of regulatory modules comprising microRNAs and target genes. <b>2005</b> , 21 Suppl 2, ii93-100	99

1741	The prospect of silencing disease using RNA interference. <b>2005</b> , 293, 1367-73	101
1740	RNAi and RNA-based regulation of immune system function. <b>2005</b> , 88, 267-92	10
1739	Real-time quantification of microRNAs by stem-loop RT-PCR. <b>2005</b> , 33, e179	3749
1738	RNA silencing systems and their relevance to plant development. <b>2005</b> , 21, 297-318	75
1737	MicroRNAs: Micro-managing the Plant Genome. 244-278	3
1736	Global analysis of microRNA target gene expression reveals the potential roles of microRNAs in maintaining tissue identity. <b>2005</b> , 6, P14	1
1735	The undertranslated transcriptome reveals widespread translational silencing by alternative 5' transcript leaders. <b>2005</b> , 6, R111	45
1734	Biased alternative polyadenylation in human tissues. <b>2005</b> , 6, R100	222
1733	Virus-host interactions: new insights from the small RNA world. <b>2005</b> , 6, 238	10
1732	Conservation and divergence of microRNA families in plants. <b>2005</b> , 6, P13	58
1731	MicroRNA profiling of the murine hematopoietic system. <b>2005</b> , 6, R71	356
1730	Conservation anchors in the vertebrate genome. <b>2005</b> , 6, 115	5
1729	A non-random walk through the genome. <b>2005</b> , 6, 214	35
1728	Genome-wide prediction and identification of cis-natural antisense transcripts in Arabidopsis thaliana. <b>2005</b> , 6, R30	214
1727	Unraveling transcriptional control and cis-regulatory codes using the software suite GeneACT. <b>2006</b> , 7, R97	12
1726	Comparative sequence analysis reveals an intricate network among REST, CREB and miRNA in mediating neuronal gene expression. <b>2006</b> , 7, R85	212
1725	RNA editing of human microRNAs. <b>2006</b> , 7, R27	270
1724	GENCODE: producing a reference annotation for ENCODE. <b>2006</b> , 7 Suppl 1, S4.1-9	434

1723 A Genomic and Molecular View of Wood Formation. <b>2006</b> , 25, 215-233	51
1722 Intracellular signaling by the unfolded protein response. <b>2006</b> , 22, 487-508	426
1721 Innate immune defense through RNA interference. <b>2006</b> , 2006, pe27	33
1720 Systems Biology and Regulatory Genomics. <b>2006</b> ,	
1719 MicroRNA Protocols. <b>2006</b> ,	2
1718 Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1043-1051	
Regulatory RNAs: future perspectives in diagnosis, prognosis, and individualized therapy. <b>2007</b> , 361, 311-26	18
1716 Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1240-1240	
1715 Epigenetic regulation of stem cell differentiation. <b>2006</b> , 59, 21R-5R	111
1714 Data Mining for Biomedical Applications. <b>2006</b> ,	1
1713 Noncoding RNAs in the mammalian central nervous system. <b>2006</b> , 29, 77-103	346
OligoMatcher: analysis and selection of specific oligonucleotide sequences for gene silencing by antisense or siRNA. <b>2006</b> , 5, 121-4	
1711 RNA Towards Medicine. <b>2006</b> ,	
1710 Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1053-1058	
1709 Developmental biology. Mixed messages in early development. <b>2006</b> , 312, 65-6	10
$_{1708}$ Construction of microRNA-containing vectors for expression in mammalian cells. <b>2006</b> , 338, 167-73	6
1707 Genomic Disorders. 2006,	21
Significant sequence similarities in promoters and precursors of Arabidopsis thaliana non-conserved microRNAs. <b>2006</b> , 22, 2585-9	26

## (2006-2006)

1705 A microRNA expression signature of human solid tumors defines cancer gene targets. <b>2006</b> , 103, 2257-61	4710
1704 Complete cure of persistent virus infections by antiviral siRNAs. <b>2006</b> , 13, 142-50	26
1703 In vitro precursor microRNA processing assays using Drosophila Schneider-2 cell lysates. <b>2006</b> , 342, 277-86	3
1702 Complications in mammalian microRNA target prediction. <b>2006</b> , 342, 115-27	26
1701 New Concepts of Antiviral Therapy. 2006,	
1700 Plant science. Viruses face a double defense by plant small RNAs. <b>2006</b> , 313, 54-5	44
1699 Muscle-specific microRNA miR-206 promotes muscle differentiation. <b>2006</b> , 174, 677-87	639
1698 Experimental approaches to identify non-coding RNAs. <b>2006</b> , 34, 635-46	408
Small RNAs just got bigger: Piwi-interacting RNAs (piRNAs) in mammalian testes. <b>2006</b> , 20, 1993-7	185
1696 Conserved microRNA characteristics in mammals. <b>2006</b> , 16, 115-44	49
New porcine microRNA genes found by homology search. <b>2006</b> , 49, 1283-6	33
1694 Visualization of DNA/RNA Structure using Temporal CGRs. 2006,	1
1693 Gene Mapping, Discovery, and Expression. <b>2006</b> ,	
1692 Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1160-1174	7
1691 Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1002-1008	
1690 Data Mining and Bioinformatics. <b>2006</b> ,	
1689 RNA interference from multimeric shRNAs generated by rolling circle transcription. <b>2006</b> , 16, 353-63	35
NF-kappaB-dependent induction of microRNA miR-146, an inhibitor targeted to signaling proteins of innate immune responses. <b>2006</b> , 103, 12481-6	3461

1687	A diverse and evolutionarily fluid set of microRNAs in Arabidopsis thaliana. <b>2006</b> , 20, 3407-25	1058
1686	Modeling and identification of alternative folding in regulatory RNAs using context-sensitive HMMS. <b>2006</b> ,	1
1685	A role for Dicer in immune regulation. <b>2006</b> , 203, 2519-27	449
1684	A novel class of small RNAs in mouse spermatogenic cells. <b>2006</b> , 20, 1709-14	640
1683	Mutations in the novel mitochondrial protein REEP1 cause hereditary spastic paraplegia type 31. <b>2006</b> , 79, 365-9	181
1682	Positive and negative modulation of viral and cellular mRNAs by liver-specific microRNA miR-122. <b>2006</b> , 71, 369-76	96
1681	miRBase: the microRNA sequence database. <b>2006</b> , 342, 129-38	445
1680	Gene expression profiles underlying alternative caste phenotypes in a highly eusocial bee, Melipona quadrifasciata. <b>2006</b> , 15, 33-44	42
1679	Micro-RNA: A New Kind of Gene Regulators. <b>2006</b> , 5, 77-80	0
1678	Rice embryogenic calli express a unique set of microRNAs, suggesting regulatory roles of microRNAs in plant post-embryogenic development. <b>2006</b> , 580, 5111-6	127
1677	Breaking the central dogma by RNA editing. <b>2006</b> , 106, 3397-411	53
1676	Virus-encoded microRNAs: a new chapter in virusBost cell interactions. <b>2006</b> , 1, 233-242	9
1675	mRNA degradation by miRNAs and GW182 requires both CCR4:NOT deadenylase and DCP1:DCP2 decapping complexes. <b>2006</b> , 20, 1885-98	720
1674	Hepatitis C virus core protein is a potent inhibitor of RNA silencing-based antiviral response. <b>2006</b> , 130, 883-92	93
1673	Transgenic gene silencing strategies for virus control. <b>2006</b> , 35, 605	16
1672	Optimized high-throughput microRNA expression profiling provides novel biomarker assessment of clinical prostate and breast cancer biopsies. <b>2006</b> , 5, 24	556
1671	Identification by Real-time PCR of 13 mature microRNAs differentially expressed in colorectal cancer and non-tumoral tissues. <b>2006</b> , 5, 29	668
1670	Anti-viral RNA silencing: do we look like plants?. <b>2006</b> , 3, 3	38

## (2006-2006)

1669	Host-virus interaction: a new role for microRNAs. <b>2006</b> , 3, 68	157
1668	Latency: the hidden HIV-1 challenge. <b>2006</b> , 3, 7	89
1667	Hereditary profiles of disorderly transcription?. <b>2006</b> , 1, 9	3
1666	Annealing siRNAs to Produce siRNA Duplexes. <b>2006</b> , 2006,	6
1665	Integrative plant biology: role of phloem long-distance macromolecular trafficking. 2006, 57, 203-32	385
1664	Identification of plant microRNA homologs. <b>2006</b> , 22, 359-60	161
1663	Arabidopsis microRNA167 controls patterns of ARF6 and ARF8 expression, and regulates both female and male reproduction. <b>2006</b> , 133, 4211-8	513
1662	Chromosome organization and chromatin modification: influence on genome function and evolution. <b>2006</b> , 114, 96-125	49
1661	RNA interference: its use as antiviral therapy. <b>2006</b> , 117-50	42
1660	Self-engineering capabilities of bacteria. <b>2006</b> , 3, 197-214	94
1659	Plant signal transduction and defense against viral pathogens. <b>2006</b> , 66, 161-91	34
1658	Pushing miRNA quantification to the limits: high-throughput miRNA gene expression analysis using single-molecule detection. <b>2006</b> , 1, 123-7	5
1657	Regulation of Th2 differentiation and Il4 locus accessibility. <b>2006</b> , 24, 607-56	534
1656	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1160-1160	
1655	Genotoxicity of retroviral integration in hematopoietic cells. <b>2006</b> , 13, 1031-49	239
1654	Detection of microRNAs using electrocatalytic nanoparticle tags. <b>2006</b> , 78, 1470-7	173
1653	Attomole microarray detection of microRNAs by nanoparticle-amplified SPR imaging measurements of surface polyadenylation reactions. <b>2006</b> , 128, 14044-6	393
1652	Analyzing micro-RNA expression using microarrays. <b>2006</b> , 411, 14-34	70

1651	Employment of microRNA profiles and RNA interference and antagomirs for the characterization and treatment of respiratory disease. <b>2006</b> , 3, 325-332	1
1650	Post-transcriptional small RNA pathways in plants: mechanisms and regulations. <b>2006</b> , 20, 759-71	581
1649	Cucumber mosaic virus-encoded 2b suppressor inhibits Arabidopsis Argonaute1 cleavage activity to counter plant defense. <b>2006</b> , 20, 3255-68	524
1648	miRBase: microRNA sequences, targets and gene nomenclature. <b>2006</b> , 34, D140-4	3494
1647	MicroRNA deregulation in human thyroid papillary carcinomas. <b>2006</b> , 13, 497-508	417
1646	Identification of miRNA targets with stable isotope labeling by amino acids in cell culture. <b>2006</b> , 34, e107	108
1645	Small non-coding RNAs and genomic imprinting. <b>2006</b> , 113, 99-108	81
1644	Post-transcriptional regulation of microRNA expression. <b>2006</b> , 12, 1161-7	370
1643	Global studies of cell type-specific gene expression in plants. <b>2006</b> , 57, 451-75	66
1642	Cloning microRNAs from mammalian tissues. <b>2006</b> , 342, 189-207	7
	Cloning microRNAs from mammalian tissues. <b>2006</b> , 342, 189-207  Catalyzed relaxation of a metastable DNA fuel. <b>2006</b> , 128, 12211-20	7
1641		
1641	Catalyzed relaxation of a metastable DNA fuel. 2006, 128, 12211-20	146
1641 1640	Catalyzed relaxation of a metastable DNA fuel. <b>2006</b> , 128, 12211-20  Micromanagement: a role for microRNAs in mRNA stability. <b>2006</b> , 1, 132-4	146 17
1641 1640 1639	Catalyzed relaxation of a metastable DNA fuel. 2006, 128, 12211-20  Micromanagement: a role for microRNAs in mRNA stability. 2006, 1, 132-4  Highly specific gene silencing by artificial microRNAs in Arabidopsis. 2006, 18, 1121-33  MicroRNA-9 controls the expression of Granuphilin/Slp4 and the secretory response of	146 17 1007
1641 1640 1639 1638	Catalyzed relaxation of a metastable DNA fuel. 2006, 128, 12211-20  Micromanagement: a role for microRNAs in mRNA stability. 2006, 1, 132-4  Highly specific gene silencing by artificial microRNAs in Arabidopsis. 2006, 18, 1121-33  MicroRNA-9 controls the expression of Granuphilin/Slp4 and the secretory response of insulin-producing cells. 2006, 281, 26932-42  The interplay between virus infection and the cellular RNA interference machinery. 2006, 580, 2896-902	146 17 1007 283
1641 1640 1639 1638	Catalyzed relaxation of a metastable DNA fuel. 2006, 128, 12211-20  Micromanagement: a role for microRNAs in mRNA stability. 2006, 1, 132-4  Highly specific gene silencing by artificial microRNAs in Arabidopsis. 2006, 18, 1121-33  MicroRNA-9 controls the expression of Granuphilin/Slp4 and the secretory response of insulin-producing cells. 2006, 281, 26932-42  The interplay between virus infection and the cellular RNA interference machinery. 2006, 580, 2896-902	146 17 1007 283 42

1633	Mismatched siRNAs downregulate mRNAs as a function of target site location. 2006, 580, 3694-8		18
1632	Identification of 188 conserved maize microRNAs and their targets. <b>2006</b> , 580, 3753-62		181
1631	A novel function for a ubiquitous plant enzyme pectin methylesterase: the enhancer of RNA silencing. <b>2006</b> , 580, 3872-8		44
1630	Analysis of short RNAs in the malaria parasite and its red blood cell host. <b>2006</b> , 580, 5185-8		110
1629	Micro RNAs in animal development. <i>Cell</i> , <b>2006</b> , 124, 877-81	56.2	372
1628	Molecular basis for the recognition of primary microRNAs by the Drosha-DGCR8 complex. <i>Cell</i> , <b>2006</b> , 125, 887-901	56.2	1196
1627	Tethering RITS to a nascent transcript initiates RNAi- and heterochromatin-dependent gene silencing. <i>Cell</i> , <b>2006</b> , 125, 873-86	56.2	316
1626	Relief of microRNA-mediated translational repression in human cells subjected to stress. <i>Cell</i> , <b>2006</b> , 125, 1111-24	56.2	1071
1625	A two-hit trigger for siRNA biogenesis in plants. <i>Cell</i> , <b>2006</b> , 127, 565-77	56.2	517
1624	Large-scale sequencing reveals 21U-RNAs and additional microRNAs and endogenous siRNAs in C. elegans. <i>Cell</i> , <b>2006</b> , 127, 1193-207	56.2	774
1623	miR-122 regulation of lipid metabolism revealed by in vivo antisense targeting. <b>2006</b> , 3, 87-98		1699
1622	Genomic structure, alternative maturation and tissue expression of the human BBOX1 gene. <b>2006</b> , 1761, 1469-81		31
1621	Multiplexing RT-PCR for the detection of multiple miRNA species in small samples. <b>2006</b> , 343, 85-9		124
1620	Inhibition of PRL-3 gene expression in gastric cancer cell line SGC7901 via microRNA suppressed reduces peritoneal metastasis. <b>2006</b> , 348, 229-37		88
1619	Human microRNA clusters: genomic organization and expression profile in leukemia cell lines. <b>2006</b> , 349, 59-68		262
1618	A PCR-based method for detection and quantification of small RNAs. 2006, 351, 756-63		140
1617	Transcription, translation and fragile X syndrome. <b>2006</b> , 16, 270-5		115
1616	Computational analysis of microRNA targets in Caenorhabditis elegans. <b>2006</b> , 365, 2-10		41

1615	Twelve novel C. elegans RNA candidates isolated by two-dimensional polyacrylamide gel electrophoresis. <b>2006</b> , 365, 83-7	4
1614	LNA-modified oligonucleotides mediate specific inhibition of microRNA function. <b>2006</b> , 372, 137-41	322
1613	The pleiotropic Arabidopsis frd mutation with altered coordination of chloroplast biogenesis, cell size and differentiation, organ size and number. <b>2006</b> , 382, 88-99	5
1612	Innovative nanotechnologies for the delivery of oligonucleotides and siRNA. <b>2006</b> , 60, 607-20	72
1611	Non-coding RNA. <b>2006</b> , 15 Spec No 1, R17-29	1650
1610	RNA interference in parasitic helminths: current situation, potential pitfalls and future prospects. <b>2007</b> , 134, 609-19	122
1609	The dialectics of cancer: A theory of the initiation and development of cancer through errors in RNAi. <b>2006</b> , 66, 612-35	17
1608	A novel method to detect functional microRNA targets. <b>2006</b> , 358, 983-96	52
1607	Short RNAs repress translation after initiation in mammalian cells. <b>2006</b> , 21, 533-42	563
1606	AGO1 homeostasis entails coexpression of MIR168 and AGO1 and preferential stabilization of miR168 by AGO1. <b>2006</b> , 22, 129-36	272
1605	MicroRNA pathways modulate polyglutamine-induced neurodegeneration. 2006, 24, 157-63	219
1604	MicroRNA therapeutics: a new niche for antisense nucleic acids. <b>2006</b> , 12, 99-101	80
1603	Innate sensing of self and non-self RNAs by Toll-like receptors. <b>2006</b> , 12, 167-76	143
1602	MicroRNA expression and function in cancer. <b>2006</b> , 12, 580-7	615
1601	HIV-l and the microRNA-guided silencing pathway: an intricate and multifaceted encounter. <b>2006</b> , 121, 107-15	18
1600	Plant microRNA: a small regulatory molecule with big impact. <b>2006</b> , 289, 3-16	558
1599	The Sm proteins regulate germ cell specification during early C. elegans embryogenesis. <b>2006</b> , 291, 132-43	24
1598	The RNA-binding protein, Vg1RBP, is required for pancreatic fate specification. <b>2006</b> , 292, 442-56	36

1597 Conserved co-regulation and promoter sharing of hoxb3a and hoxb4a in zebrafish. <b>2006</b> , 297, 26-	-43 21
1596 Virus-encoded microRNAs: novel regulators of gene expression. <b>2006</b> , 14, 169-75	107
1595 Arabidopsis endogenous small RNAs: highways and byways. <b>2006</b> , 11, 460-8	206
1594 Engineering novel traits in plants through RNA interference. <b>2006</b> , 11, 559-65	129
1593 MicroRNA involvement in mammary gland development and breast cancer. <b>2006</b> , 46, 549-56	68
Single-cell detection of microRNAs in developing vertebrate embryos after acute administration a dual-fluorescence reporter/sensor plasmid. <b>2006</b> , 41, 727-32	of 61
Treatment of viral and neoplastic diseases with double-stranded RNA derivatives and other new agents. <b>2006</b> , 231, 1283-6	7
[The UN peace-keeping force in the plants: A microRNA, miR164, stabilizes the boundary domain the meristem]. <b>2006</b> , 22, 796-8	in o
1589 Prognostic Values of microRNAs in Colorectal Cancer. <b>2006</b> , 1, 117727190600100	17
00 F. C. C. C. DNA have been been 422 45	
1588 Engineering RNA-based circuits. <b>2006</b> , 423-45	
1587 RNA Interference. <b>2006</b> ,	
1587 RNA Interference. <b>2006</b> ,  Mutation of siRNA results in thermodynamically unstable duplex which influences knockdown of	34
RNA Interference. <b>2006</b> ,  Mutation of siRNA results in thermodynamically unstable duplex which influences knockdown of dmrt1 by RNA interference. <b>2006</b> , 11, 2623-30	
RNA Interference. <b>2006</b> ,  Mutation of siRNA results in thermodynamically unstable duplex which influences knockdown of dmrt1 by RNA interference. <b>2006</b> , 11, 2623-30  Mechanisms controlling embryonic stem cell self-renewal and differentiation. <b>2006</b> , 16, 211-31	34
RNA Interference. 2006,  Mutation of siRNA results in thermodynamically unstable duplex which influences knockdown of dmrt1 by RNA interference. 2006, 11, 2623-30  Mechanisms controlling embryonic stem cell self-renewal and differentiation. 2006, 16, 211-31  Microarray tools for deciphering complex diseases. 2006, 11, 1414-24	21
RNA Interference. 2006,  Mutation of siRNA results in thermodynamically unstable duplex which influences knockdown of dmrt1 by RNA interference. 2006, 11, 2623-30  Mechanisms controlling embryonic stem cell self-renewal and differentiation. 2006, 16, 211-31  Microarray tools for deciphering complex diseases. 2006, 11, 1414-24  1583 . 2006,	21

1579	Identification and analysis of microRNAs. <b>2006</b> , 27, 1-20	27
1578	let-7 microRNA functions as a potential growth suppressor in human colon cancer cells. <b>2006</b> , 29, 903-6	525
1577	Structure analysis of microRNA precursors. <b>2006</b> , 342, 19-32	17
1576	Regulatory RNAs in mammals. <b>2006</b> , 45-72	4
1575	Gene silencing of HIV chemokine receptors using ribozymes and single-stranded antisense RNA. <b>2006</b> , 394, 511-8	11
1574	[Uncoupling between noradrenergic and serotonergic neurons: As a mechanism for drug addiction]. <b>2006</b> , 22, 798-800	2
1573	Review: recent clinical trials in epigenetic therapy. <b>2006</b> , 1, 169-82	47
1572	Stress-induced reversal of microRNA repression and mRNA P-body localization in human cells. <b>2006</b> , 71, 513-21	133
1571	Organ polarity in plants is specified through the opposing activity of two distinct small regulatory RNAs. <b>2006</b> , 71, 157-64	29
1570	RNA interference and HIV-1: hits and misses. <b>2006</b> , 1, 208-11	8
1569	Expression and function of microRNAs encoded by Kaposi's sarcoma-associated herpesvirus. <b>2006</b> , 71, 357-64	26
1568	MicroRNAs 143 and 145 are possible common onco-microRNAs in human cancers. <b>2006</b> , 16, 845	23
1567	Hematopoietic gene promoters subjected to a group-combinatorial study of DNA samples: identification of a megakaryocytic selective DNA signature. <b>2006</b> , 34, 4416-28	1
1566	MicroRNAs, mRNAs, and translation. <b>2006</b> , 71, 531-5	27
1565	MicroRNA function and mechanism: insights from zebra fish. <b>2006</b> , 71, 195-203	60
1564	Computational analysis of RNAs. <b>2006</b> , 71, 117-28	18
1563	MicroRNAs silence gene expression by repressing protein expression and/or by promoting mRNA decay. <b>2006</b> , 71, 523-30	189
1562	Drosha in primary microRNA processing. <b>2006</b> , 71, 51-7	84

1561	Substrate selectivity of exportin 5 and Dicer in the biogenesis of microRNAs. <b>2006</b> , 71, 59-66	127
1560	Structural biology of RNA silencing and its functional implications. <b>2006</b> , 71, 81-93	32
1559	Turnover and function of noncoding RNA polymerase II transcripts. <b>2006</b> , 71, 275-84	3
1558	MicroRNA: biogenetic and functional mechanisms and involvements in cell differentiation and cancer. <b>2006</b> , 101, 267-70	94
1557	Target labelling for the detection and profiling of microRNAs expressed in CNS tissue using microarrays. <b>2006</b> , 6, 47	23
1556	Stem cells, senescence, neosis and self-renewal in cancer. <b>2006</b> , 6, 25	85
1555	Short interfering RNA (siRNA) as a novel therapeutic. <b>2006</b> , 33, 504-10	48
1554	RNA world - the dark matter of evolutionary genomics. <b>2006</b> , 19, 1768-74	44
1553	Glial cell-line derived neurotrophic factor and neurturin regulate the expressions of distinct miRNA precursors through the activation of GFRalpha2. <b>2006</b> , 98, 1149-58	8
1552	A role for the transcriptional repressor REST in maintaining the phenotype of neurosecretory-deficient PC12 cells. <b>2006</b> , 99, 1435-44	25
1551	Modulated microRNA expression during adult lifespan in Caenorhabditis elegans. 2006, 5, 235-46	168
1550	Developmental and seasonal expression of PtaHB1, a Populus gene encoding a class III HD-Zip protein, is closely associated with secondary growth and inversely correlated with the level of microRNA (miR166). <b>2006</b> , 169, 469-78	79
1549	Evolution of unisexual flowers in grasses (Poaceae) and the putative sex-determination gene, TASSELSEED2 (TS2). <b>2006</b> , 170, 885-99	45
1548	The small RNA world of plants. <b>2006</b> , 171, 451-68	108
1547	Research Progresses on Auxin Response Factors. <b>2006</b> , 48, 622-627	10
1546	Therapeutic potential of RNA interference against cancer. <b>2006</b> , 97, 689-96	188
1545	Loss of At4 function impacts phosphate distribution between the roots and the shoots during phosphate starvation. <b>2006</b> , 45, 712-26	174
1544	Conservation and divergence of plant microRNA genes. <b>2006</b> , 46, 243-59	593

1543	SERRATE is a novel nuclear regulator in primary microRNA processing in Arabidopsis. 2006, 47, 841-50	309
1542	RNA interference below the immune radar. <b>2006</b> , 24, 521-2	20
1541	RISC control for gene therapy. <b>2006</b> , 24, 661-2	1
1540	Expression of artificial microRNAs in transgenic Arabidopsis thaliana confers virus resistance. <b>2006</b> , 24, 1420-8	445
1539	Uncovering stemness. <b>2006</b> , 8, 1048-9	10
1538	Defense and counterdefense in the plant world. <b>2006</b> , 38, 138-9	6
1537	The role of microRNA-1 and microRNA-133 in skeletal muscle proliferation and differentiation. <b>2006</b> , 38, 228-33	2164
1536	Morphogenesis in skin is governed by discrete sets of differentially expressed microRNAs. <b>2006</b> , 38, 356-62	440
1535	Functions of microRNAs and related small RNAs in plants. <b>2006</b> , 38 Suppl, S31-6	644
1534	Viruses and microRNAs. <b>2006</b> , 38 Suppl, S25-30	331
1533	Approaches to microRNA discovery. <b>2006</b> , 38 Suppl, S2-7	379
1532	microRNA target predictions in animals. <b>2006</b> , 38 Suppl, S8-13	890
1531	Strategies to determine the biological function of microRNAs. 2006, 38 Suppl, S14-9	194
1530	Canalization of development by microRNAs. <b>2006</b> , 38 Suppl, S20-4	462
1529	Natural selection on human microRNA binding sites inferred from SNP data. <b>2006</b> , 38, 1452-6	391
1528	Diversity of microRNAs in human and chimpanzee brain. <b>2006</b> , 38, 1375-7	421
1527	Pursuing gene regulation 'logic' via RNA interference and chromatin immunoprecipitation. <b>2006</b> , 7, 692-7	5
1526	Essential function in vivo for Dicer-2 in host defense against RNA viruses in drosophila. <b>2006</b> , 7, 590-7	413

	1525	Is RNA interference involved in intrinsic antiviral immunity in mammals?. <b>2006</b> , 7, 563-7	137
	1524	microRNA detection comes of age. <b>2006</b> , 3, 12-3	51
	1523	On the art of identifying effective and specific siRNAs. <b>2006</b> , 3, 670-6	230
	1522	Lessons from Nature: microRNA-based shRNA libraries. <b>2006</b> , 3, 707-14	226
	1521	A guide through present computational approaches for the identification of mammalian microRNA targets. <b>2006</b> , 3, 881-6	476
	1520	Oncomirs - microRNAs with a role in cancer. <b>2006</b> , 6, 259-69	5872
	1519	MicroRNA signatures in human cancers. <b>2006</b> , 6, 857-66	6256
	1518	The principles of guiding by RNA: chimeric RNA-protein enzymes. <b>2006</b> , 7, 475-82	44
	1517	Moving forward in reverse: genetic technologies to enable genome-wide phenomic screens in Arabidopsis. <b>2006</b> , 7, 524-36	197
	1516	Editor meets silencer: crosstalk between RNA editing and RNA interference. <b>2006</b> , 7, 919-31	223
	1515	MicroRNAs: expression, avoidance and subversion by vertebrate viruses. <b>2006</b> , 4, 651-9	102
	1514	Optimization of a Genome-Wide Disordered Lentivector-Based Short Hairpin RNA Library. <b>2006</b> , 40, 396-405	11
	1513	RNA-binding proteins in RNA interference. <b>2006</b> , 40, 528-540	6
:	1512	The neuronal microRNA system. <b>2006</b> , 7, 911-20	657
	1511	L(ou)sy miRNA targets?. <b>2006</b> , 13, 754-5	26
	1510	Modulation of microRNA processing and expression through RNA editing by ADAR deaminases. <b>2006</b> , 13, 13-21	611
	1509	Human let-7a miRNA blocks protein production on actively translating polyribosomes. <b>2006</b> , 13, 1108-14	314
	1508	Evidence that microRNAs are associated with translating messenger RNAs in human cells. <b>2006</b> , 13, 1102-7	265

1507	MicroRNAs in cell proliferation, cell death, and tumorigenesis. <b>2006</b> , 94, 776-80	906
1506	RNA interference as a key to knockdown overexpressed cyclooxygenase-2 gene in tumour cells. <b>2006</b> , 94, 1300-10	24
1505	A brain-specific microRNA regulates dendritic spine development. <b>2006</b> , 439, 283-9	1455
1504	Fatality in mice due to oversaturation of cellular microRNA/short hairpin RNA pathways. 2006, 441, 537-41	1358
1503	Anti-apoptotic function of a microRNA encoded by the HSV-1 latency-associated transcript. <b>2006</b> , 442, 82-5	246
1502	A novel class of small RNAs bind to MILI protein in mouse testes. <b>2006</b> , 442, 203-7	1099
1501	A germline-specific class of small RNAs binds mammalian Piwi proteins. <b>2006</b> , 442, 199-202	1233
1500	Generation of neuronal variability and complexity. <b>2006</b> , 441, 1087-93	190
1499	Duplication and expression analysis of multicopy miRNA gene family members in Arabidopsis and rice. <b>2006</b> , 16, 507-18	40
1498	The role of PACT in the RNA silencing pathway. <b>2006</b> , 25, 522-32	519
1497	The expanding transcriptome: the genome as the 'Book of Sand'. <b>2006</b> , 25, 923-31	66
1497 1496	Multiple mechanisms are involved in regulating the evarageing of the devalormental timing	53
	Multiple mechanisms are involved in regulating the expression of the developmental timing	
1496	Multiple mechanisms are involved in regulating the expression of the developmental timing regulator lin-28 in Caenorhabditis elegans. <b>2006</b> , 25, 5794-804	53
1496 1495	Multiple mechanisms are involved in regulating the expression of the developmental timing regulator lin-28 in Caenorhabditis elegans. <b>2006</b> , 25, 5794-804  Comparing genomes and languages using current knowledge. <b>2006</b> , 7, 954-5; author reply 955  Anti-miRNA oligonucleotides (AMOs): ammunition to target miRNAs implicated in human disease?.	53
1496 1495 1494	Multiple mechanisms are involved in regulating the expression of the developmental timing regulator lin-28 in Caenorhabditis elegans. 2006, 25, 5794-804  Comparing genomes and languages using current knowledge. 2006, 7, 954-5; author reply 955  Anti-miRNA oligonucleotides (AMOs): ammunition to target miRNAs implicated in human disease?. 2006, 13, 496-502	53 1 322
1496 1495 1494 1493	Multiple mechanisms are involved in regulating the expression of the developmental timing regulator lin-28 in Caenorhabditis elegans. 2006, 25, 5794-804  Comparing genomes and languages using current knowledge. 2006, 7, 954-5; author reply 955  Anti-miRNA oligonucleotides (AMOs): ammunition to target miRNAs implicated in human disease?. 2006, 13, 496-502  Allele-specific RNA interference for neurological disease. 2006, 13, 576-81	53 1 322 78

1489	MicroRNAs and chromosomal abnormalities in cancer cells. <b>2006</b> , 25, 6202-10	218
1488	miRNAs and apoptosis: RNAs to die for. <b>2006</b> , 25, 6176-87	426
1487	A small piece in the cancer puzzle: microRNAs as tumor suppressors and oncogenes. <b>2006</b> , 25, 6188-96	596
1486	Implications of micro-RNA profiling for cancer diagnosis. <b>2006</b> , 25, 6220-7	214
1485	Molecular predictors of response and outcome in ovarian cancer. <b>2006</b> , 60, 19-37	33
1484	Nucleic acid aptamers and enzymes as sensors. <b>2006</b> , 10, 272-81	388
1483	Chromatin structure and gene regulation in T cell development and function. <b>2006</b> , 18, 143-51	34
1482	MicroRNA sequence motifs reveal asymmetry between the stem arms. <b>2006</b> , 30, 249-54	17
1481	Computational identification of microRNAs and their targets. 2006, 30, 395-407	145
1480	Sweating the small stuff: microRNA discovery in plants. <b>2006</b> , 17, 139-46	60
1479	Hematopoietic-specific microRNA expression in human cells. <b>2006</b> , 30, 643-7	203
1478	MicroRNAs and leukemias: how strong is the connection?. <b>2006</b> , 30, 653-5	46
1477	Differentiation of 2'-O- and 3'-O-methylated ribonucleosides by tandem mass spectrometry. <b>2006</b> , 17, 1096-1099	9
1476	Seeking the foundations of cognition in bacteria: From Schrdinger's negative entropy to latent information. <b>2006</b> , 359, 495-524	71
1475	Cellular dynamics of small RNAs. <b>2006</b> , 41, 3-19	27
1474	MicroRNA responses to cellular stress. <b>2006</b> , 66, 10843-8	343
1473	Posttranscriptional induction of two Cu/Zn superoxide dismutase genes in Arabidopsis is mediated by downregulation of miR398 and important for oxidative stress tolerance. <b>2006</b> , 18, 2051-65	937
1472	Zebrafish MiR-430 promotes deadenylation and clearance of maternal mRNAs. <b>2006</b> , 312, 75-9	1222

1471 A plant miRNA contributes to antibacterial resistance by repressing auxin signaling. <b>2006</b> , 312, 436-9	1461
1470 Function and localization of microRNAs in mammalian cells. <b>2006</b> , 71, 29-38	77
1469 The expanding universe of noncoding RNAs. <b>2006</b> , 71, 551-64	62
1468 Computational prediction of microRNA genes in silkworm genome. <b>2006</b> , 7, 806-16	24
1467 Specific microRNAs modulate embryonic stem cell-derived neurogenesis. <b>2006</b> , 24, 857-64	552
1466 RNA regulation in mammals. <b>2006</b> , 1067, 461-8	15
1465 RNA interference and ion channel physiology. <b>2006</b> , 46, 175-91	3
1464 A novel method to monitor the expression of microRNAs. <b>2006</b> , 32, 197-204	80
1463 MicroRNAS and their regulatory roles in plants. <b>2006</b> , 57, 19-53	2102
1462 Plant Metabolism Associated with Resistance and Susceptibility. <b>2006</b> , 315-340	5
Quantitative analysis of Argonaute protein reveals microRNA-dependent localization to stress granules. <b>2006</b> , 103, 18125-30	306
1460 AtRLI2 is an endogenous suppressor of RNA silencing. <b>2006</b> , 61, 153-63	26
1459 Signalling between the shoot apical meristem and developing lateral organs. <b>2006</b> , 60, 889-903	22
1458 Cell differentiation and organ initiation at the shoot apical meristem. <b>2006</b> , 60, 811-26	59
Floral patterning defects induced by Arabidopsis APETALA2 and microRNA172 expression in Nicotiana benthamiana. <b>2006</b> , 61, 781-93	74
1456 Diversity of endogenous small non-coding RNAs in Oryza sativa. <b>2006</b> , 128, 21-31	14
1455 Functional genomics of PPAR-gamma in human immunomodulatory cells. <b>2006</b> , 290, 211-5	10
1454 Importance of LXR-alpha transcriptome in the modulation of innate immunity. <b>2006</b> , 292, 53-7	9

1453	Use of recombinant calpain-2 siRNA adenovirus to assess calpain-2 modulation of lung endothelial cell migration and proliferation. <b>2006</b> , 292, 69-78	17
1452	miRNA and Dicer in the mammalian lens: expression of brain-specific miRNAs in the lens. <b>2006</b> , 126, 1-8	51
1451	Functional analysis of DNA sequences controlling the expression of the rice OsCDPK2 gene. <b>2006</b> , 223, 479-91	28
1450	A systematic analysis of disease-associated variants in the 3' regulatory regions of human protein-coding genes II: the importance of mRNA secondary structure in assessing the functionality of 3' UTR variants. <b>2006</b> , 120, 301-33	119
1449	Characterization of an abundant COL9A1 transcript in the cochlea with a novel 3' UTR: Expression studies and detection of miRNA target sequence. <b>2006</b> , 7, 160-72	13
1448	Mammalian microRNAs: a small world for fine-tuning gene expression. <b>2006</b> , 17, 189-202	275
1447	Primary transcripts and expressions of mammal intergenic microRNAs detected by mapping ESTs to their flanking sequences. <b>2006</b> , 17, 1033-41	30
1446	Preliminary assessment of the impact of microRNA-mediated regulation on coding sequence evolution in mammals. <b>2006</b> , 63, 174-82	33
1445	On the origin and functions of RNA-mediated silencing: from protists to man. <b>2006</b> , 50, 81-99	388
1444	Pre-messenger RNA processing and its regulation: a genomic perspective. <b>2006</b> , 63, 796-819	61
1443	Evidence that miRNAs are different from other RNAs. <b>2006</b> , 63, 246-54	442
1442	Overlapping transcripts, double-stranded RNA and antisense regulation: a genomic perspective. <b>2006</b> , 63, 2102-18	65
1441	RNA interference: ready to silence cancer?. <b>2006</b> , 84, 4-15	17
1440	Systematic discovery of the grammar of translational inhibition by RNA hairpins. <b>2006</b> , 241, 205-15	2
1439	Embryonic stem cell bank: a work proposal. <b>2006</b> , 2, 117-26	7
1438	Somatic stem cells and the origin of cancer. <b>2006</b> , 8, 647-63	42
1437	Genetic regulation by non-coding RNAs. <b>2006</b> , 49, 201-17	7
1436	Regulation of microRNA on plant development and viral infection. <b>2006</b> , 51, 269-278	9

1435	Interaction of viruses with the mammalian RNA interference pathway. 2006, 344, 151-7	52
1434	Silencing suppression by geminivirus proteins. <b>2006</b> , 344, 158-68	188
1433	Functional analysis of the 5' untranslated region of potexvirus RNA reveals a role in viral replication and cell-to-cell movement. <b>2006</b> , 351, 455-65	58
1432	Entamoeba histolytica: computational identification of putative microRNA candidates. 2006, 113, 239-43	28
1431	Specific activation of microRNA-127 with downregulation of the proto-oncogene BCL6 by chromatin-modifying drugs in human cancer cells. <b>2006</b> , 9, 435-43	1137
1430	A genome-wide map of conserved microRNA targets in C. elegans. <b>2006</b> , 16, 460-71	353
1429	The miRNA-processing enzyme dicer is essential for the morphogenesis and maintenance of hair follicles. <b>2006</b> , 16, 1041-9	297
1428	Differential regulation of germline mRNAs in soma and germ cells by zebrafish miR-430. <b>2006</b> , 16, 2135-42	259
1427	Vector-based RNAi approaches for stable, inducible and genome-wide screens. <b>2006</b> , 11, 975-82	49
1426	Cell signaling pathways engaged by KSHV. <b>2006</b> , 1766, 140-58	28
1425	Genomics of chronic lymphocytic leukemia microRNAs as new players with clinical significance. <b>2006</b> , 33, 167-73	122
1424	Targeting the Bcl-2 family in cancer therapy. <b>2006</b> , 33, 449-56	37
1423	Molecular correlates of site-specific metastasis. <b>2006</b> , 16, 102-10	20
1422	RNA interference: mechanisms of action and therapeutic consideration. <b>2006</b> , 140, 719-25	23
1421	The silent treatment: RNAi as a defense against virus infection in mammals. <b>2006</b> , 24, 186-93	76
1420	Genomics of microRNA. <b>2006</b> , 22, 165-73	753
1419	The diversity of RNA silencing pathways in plants. <b>2006</b> , 22, 268-80	597
1418	Alu elements within human mRNAs are probable microRNA targets. <b>2006</b> , 22, 532-6	138

1417	Transactivated minimal E1b promoter is capable of driving the expression of short hairpin RNA. <b>2006</b> , 134, 48-54	14
1416	Interfering with the brain: use of RNA interference for understanding the pathophysiology of psychiatric and neurological disorders. <b>2006</b> , 109, 413-38	58
1415	Lower expression of genes near microRNA in C. elegans germline. <b>2006</b> , 7, 112	6
1414	In silico discovery of human natural antisense transcripts. <b>2006</b> , 7, 18	35
1413	Identification of consensus RNA secondary structures using suffix arrays. 2006, 7, 244	15
1412	miTarget: microRNA target gene prediction using a support vector machine. <b>2006</b> , 7, 411	160
1411	MicroTar: predicting microRNA targets from RNA duplexes. <b>2006</b> , 7 Suppl 5, S20	95
1410	Molecular phylogenetics and comparative modeling of HEN1, a methyltransferase involved in plant microRNA biogenesis. <b>2006</b> , 6, 6	39
1409	Effect of 5'UTR introns on gene expression in Arabidopsis thaliana. <b>2006</b> , 7, 120	136
1408	Bioinformatic discovery of microRNA precursors from human ESTs and introns. <b>2006</b> , 7, 164	45
1407	SAGE detects microRNA precursors. <b>2006</b> , 7, 285	11
1406	Non coding RNA and brain. <b>2006</b> , 7 Suppl 1, S5	34
1405	Computational identification of microRNAs and their targets. 2006, 78, 118-28	53
1404	MicroRNAs and cell differentiation in mammalian development. <b>2006</b> , 78, 140-9	101
1403	MicroRNAs in mammalian development and tumorigenesis. <b>2006</b> , 78, 172-9	37
1402	MicroRNAs in mammalian development. <b>2006</b> , 78, 129-39	55
1401	MicroRNAs: fundamental facts and involvement in human diseases. <b>2006</b> , 78, 180-9	70
1400	"Mir"acles in hox gene regulation. <b>2006</b> , 28, 445-8	31

1399	Programmable ligand-controlled riboregulators. <b>2005</b> , 45, 30-1	7
1398	Biologically active molecules with a "light switch". <b>2006</b> , 45, 4900-21	935
1397	FGF-4 signaling is involved in mir-206 expression in developing somites of chicken embryos. <b>2006</b> , 235, 2185-91	72
1396	Single-stranded small interfering RNA are more immunostimulatory than their double-stranded counterparts: a central role for 2'-hydroxyl uridines in immune responses. <b>2006</b> , 36, 1222-30	159
1395	Downregulation of miR-122 in the rodent and human hepatocellular carcinomas. <b>2006</b> , 99, 671-8	508
1394	MicroRNA: a new player in stem cells. <b>2006</b> , 209, 266-9	99
1393	MicroRNA and cancer: Current status and prospective. <b>2007</b> , 120, 953-60	197
1392	Programmierbare Ligand-kontrollierte Riboregulatoren. <b>2006</b> , 118, 32-34	7
1391	Biologisch aktive Molekle mit lichtschalter (2006, 118, 5020-5042	211
1390	Systematic identification of microRNA functions by combining target prediction and expression profiling. <b>2006</b> , 34, 1646-52	194
1389	miRNAs regulate miRNAs: coordinated transcriptional and post-transcriptional regulation. <b>2006</b> , 5, 2473-6	29
1388	Screening and determination of gene function using randomized ribozyme and siRNA libraries. <b>2006</b> , 197-221	4
1387	microRNA-mediated silencing inside P-bodies. <b>2006</b> , 3, 97-100	69
1386	MicroRNA modulation of RNA-binding protein regulatory elements. <b>2006</b> , 3, 57-9	35
1385	MicroRNAs: a new insight into cancer genome. <b>2006</b> , 5, 2216-9	30
1384	Rapid alteration of microRNA levels by histone deacetylase inhibition. <b>2006</b> , 66, 1277-81	426
1383	Molecular characterization of geminivirus-derived small RNAs in different plant species. <b>2006</b> , 34, 462-71	220
1382	MicroRNA expression abnormalities in pancreatic endocrine and acinar tumors are associated with distinctive pathologic features and clinical behavior. <b>2006</b> , 24, 4677-84	658

1381	The mir-84 and let-7 paralogous microRNA genes of Caenorhabditis elegans direct the cessation of molting via the conserved nuclear hormone receptors NHR-23 and NHR-25. <b>2006</b> , 133, 4631-41	83
1380	RNAi Codex: a portal/database for short-hairpin RNA (shRNA) gene-silencing constructs. <b>2006</b> , 34, D153-7	37
1379	Argonautea database for gene regulation by mammalian microRNAs. 2006, 34, D115-8	64
1378	In situ fluorescence analysis demonstrates active siRNA exclusion from the nucleus by Exportin 5. <b>2006</b> , 34, 1369-80	79
1377	Encoding folding paths of RNA switches. <b>2007</b> , 35, 614-22	42
1376	MicroRNA enrichment among short 'ultraconserved' sequences in insects. <b>2006</b> , 34, e65	14
1375	Oligoribonuclease is a common downstream target of lithium-induced pAp accumulation in Escherichia coli and human cells. <b>2006</b> , 34, 2364-73	52
1374	CRSD: a comprehensive web server for composite regulatory signature discovery. <b>2006</b> , 34, W571-7	34
1373	ProMiR II: a web server for the probabilistic prediction of clustered, nonclustered, conserved and nonconserved microRNAs. <b>2006</b> , 34, W455-8	61
1372	High potency silencing by single-stranded boranophosphate siRNA. <b>2006</b> , 34, 2773-81	79
1371	Characterization of DGCR8/Pasha, the essential cofactor for Drosha in primary miRNA processing. <b>2006</b> , 34, 4622-9	204
1370	Mouse microRNA profiles determined with a new and sensitive cloning method. <b>2006</b> , 34, e115	89
1369	Structural analysis of aligned RNAs. <b>2006</b> , 34, 5471-81	16
1368	The expression profile of microRNAs in mouse embryos. <b>2006</b> , 34, 1765-71	213
1367	Functional interrogation of breast cancer: from models to drugs. <b>2006</b> , 1, 569-84	3
1366	Minireview: ribonucleic acid interference for the identification of new targets for the treatment of metabolic diseases. <b>2006</b> , 147, 2650-6	4
1365	Plant MPSS databases: signature-based transcriptional resources for analyses of mRNA and small RNA. <b>2006</b> , 34, D731-5	247
1364	MicroRNAs in human immunodeficiency virus-1 infection. <b>2006</b> , 342, 241-53	16

1363	MicroRNA biogenesis: isolation and characterization of the microprocessor complex. <b>2006</b> , 342, 33-47	119
1362	Recognition and cleavage of primary microRNA transcripts. <b>2006</b> , 342, 49-56	39
1361	MicroRNAs and messenger RNA turnover. <b>2006</b> , 342, 73-85	11
1360	Identifying microRNA regulators of cell death in Drosophila. <b>2006</b> , 342, 229-40	7
1359	Identification of small non-coding RNAs from mitochondria and chloroplasts. <b>2006</b> , 34, 3842-52	144
1358	In situ hybridization as a tool to study the role of microRNAs in plant development. <b>2006</b> , 342, 159-79	23
1357	Identification of messenger RNAs and microRNAs associated with fragile X mental retardation protein. <b>2006</b> , 342, 267-76	16
1356	Harnessing RNAi for analyses of Ras signaling and transformation. <b>2006</b> , 407, 259-68	
1355	MicroRNA trafficking and human cancer. <b>2006</b> , 5, 573-8	32
1354	Global identification of noncoding RNAs in Saccharomyces cerevisiae by modulating an essential RNA processing pathway. <b>2006</b> , 103, 4192-7	66
1353	Effect of adenovirus-mediated RNA interference on endogenous microRNAs in a mouse model of multidrug resistance protein 2 gene silencing. <b>2006</b> , 80, 12236-47	48
1352	Clusters of internally primed transcripts reveal novel long noncoding RNAs. 2006, 2, e37	135
1351	Building Biological Complexity with Limited Genes. <b>2006</b> , 7, 97-114	3
1350	Noncoding RNAs in cancer medicine. <b>2006</b> , 2006, 73104	9
1349	Unique folding of precursor microRNAs: quantitative evidence and implications for de novo identification. <b>2007</b> , 13, 170-87	41
1348	Computational prediction of microRNAs encoded in viral and other genomes. <b>2006</b> , 2006, 95270	4
1347	Epstein-Barr virus microRNAs are evolutionarily conserved and differentially expressed. <b>2006</b> , 2, e23	439
1346	MicroRNAs in gene regulation: when the smallest governs it all. <b>2006</b> , 2006, 69616	82

1345	African-American and Caucasian women. <b>2007</b> , 28, 828-36	24
1344	Dicer-derived microRNAs are utilized by the fragile X mental retardation protein for assembly on target RNAs. <b>2006</b> , 2006, 64347	78
1343	Small RNAs and non-small cell lung cancer. <b>2006</b> , 6, 339-49	34
1342	Methodologies for high-throughput expression profiling of microRNAs. <b>2006</b> , 342, 139-57	9
1341	Combining multi-species genomic data for microRNA identification using a Naive Bayes classifier. <b>2006</b> , 22, 1325-34	155
1340	Evidence for variation in abundance of antisense transcripts between multicellular animals but no relationship between antisense transcriptionand organismic complexity. <b>2006</b> , 16, 922-33	34
1339	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1009-1009	
1338	MicroRNAs as a potential magic bullet in cancer. <b>2006</b> , 2, 73-82	65
1337	MicroRNA control of lifespan and metabolism. <b>2006</b> , 5, 837-40	115
1336	A novel assay for viral microRNA function identifies a single nucleotide polymorphism that affects Drosha processing. <b>2006</b> , 80, 5321-6	122
1335	A new role for microRNA pathways: modulation of degeneration induced by pathogenic human disease proteins. <b>2006</b> , 5, 2835-8	64
1334	Enrichment and analysis of RNA centered on ion pair reverse phase methodology. <b>2006</b> , 12, 691-6	27
1333	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. 2006, 1009-1009	
1332	Short RNAs in environmental adaptation. <b>2006</b> , 273, 1579-85	11
1331	Sequence variations of microRNAs in human cancer: alterations in predicted secondary structure do not affect processing. <b>2006</b> , 66, 6097-104	155
1330	MicroRNA fingerprints during human megakaryocytopoiesis. <b>2006</b> , 103, 5078-83	386
1329	MicroRNA-guided processing impairs Plum pox virus replication, but the virus readily evolves to escape this silencing mechanism. <b>2006</b> , 80, 2429-36	122
1328	Human papillomavirus genotype 31 does not express detectable microRNA levels during latent or productive virus replication. <b>2006</b> , 80, 10890-3	57

1327	microRNAs exhibit high frequency genomic alterations in human cancer. <b>2006</b> , 103, 9136-41	886
1326	RNAhybrid: microRNA target prediction easy, fast and flexible. <b>2006</b> , 34, W451-4	1103
1325	RNASEN regulates cell proliferation and affects survival in esophageal cancer patients. <b>2006</b> , 12, 7322-8	151
1324	Primate microRNAs miR-220 and miR-492 lie within processed pseudogenes. <b>2006</b> , 97, 186-90	47
1323	MicroRNAs modulate the angiogenic properties of HUVECs. 2006, 108, 3068-71	619
1322	Characterization of the short RNAs bound by the P19 suppressor of RNA silencing in mouse embryonic stem cells. <b>2006</b> , 12, 2092-102	34
1321	Studies of abscisic acid perception finally flower. <b>2006</b> , 18, 786-91	29
1320	Gawky is a component of cytoplasmic mRNA processing bodies required for early Drosophila development. <b>2006</b> , 174, 349-58	54
1319	Endogenous and synthetic microRNAs stimulate simultaneous, efficient, and localized regulation of multiple targets in diverse species. <b>2006</b> , 18, 1134-51	313
1318	Denoising feedback loops by thresholdinga new role for microRNAs. <b>2006</b> , 20, 2769-72	78
1317	Glutamate transporter gene SLC1A1 associated with obsessive-compulsive disorder. <b>2006</b> , 63, 769-76	311
1316	MiRNA-directed regulation of VEGF and other angiogenic factors under hypoxia. <b>2006</b> , 1, e116	522
1315	Dicer function is essential for lung epithelium morphogenesis. <b>2006</b> , 103, 2208-13	357
1314	Direct and sensitive miRNA profiling from low-input total RNA. 2007, 13, 151-9	249
1313	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1188-1188	
1312	Identification and characterization of two novel classes of small RNAs in the mouse germline: retrotransposon-derived siRNAs in oocytes and germline small RNAs in testes. <b>2006</b> , 20, 1732-43	458
1311	Evolution of Arabidopsis microRNA families through duplication events. <b>2006</b> , 16, 510-9	239
1310	Prediction and identification of herpes simplex virus 1-encoded microRNAs. <b>2006</b> , 80, 5499-508	188

1309	'Evidence of an auxin signal pathway, microRNA167-ARF8-GH3, and its response to exogenous auxin in cultured rice cells'. <b>2006</b> , 34, 1892-9	166
1308	miR-7b, a microRNA up-regulated in the hypothalamus after chronic hyperosmolar stimulation, inhibits Fos translation. <b>2006</b> , 103, 15669-74	78
1307	Characterization of 43 non-protein-coding mRNA genes in Arabidopsis, including the MIR162a-derived transcripts. <b>2006</b> , 140, 1192-204	103
1306	Virus-induced gene silencing of argonaute genes in Nicotiana benthamiana demonstrates that extensive systemic silencing requires Argonaute1-like and Argonaute4-like genes. <b>2006</b> , 141, 598-606	59
1305	Mutations in the microRNA complementarity site of the INCURVATA4 gene perturb meristem function and adaxialize lateral organs in arabidopsis. <b>2006</b> , 141, 607-19	77
1304	RNA-mediated gene silencing in hematopoietic cells. <b>2006</b> , 2006, 87340	5
1303	MicroRNA-9a ensures the precise specification of sensory organ precursors in Drosophila. <b>2006</b> , 20, 2793-805	247
1302	RNA silencing of host transcripts by cauliflower mosaic virus requires coordinated action of the four Arabidopsis Dicer-like proteins. <b>2006</b> , 103, 19593-8	199
1301	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1020-1020	
1300	A signature pattern of stress-responsive microRNAs that can evoke cardiac hypertrophy and heart failure. <b>2006</b> , 103, 18255-60	1263
1299	Effects of an RNA control layer on the state space of Boolean models of genetic regulatory networks.	
1298	Epigenetic activation of tumor suppressor microRNAs in human cancer cells. 2006, 5, 2220-2	243
1297	Pharmacology and Emerging Clinical Application of RNA. 2006,	
1296	Developing RNA tools for engineered regulatory systems. <b>2006</b> , 22, 21-44	О
1295	Genetic Engineering. 2006,	
1294	Locked nucleic acid: high-affinity targeting of complementary RNA for RNomics. 2006, 405-22	70
1293	Target Discovery and Validation Reviews and Protocols. 2006,	1
1292	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1204-1208	1

1291	Regulation of phosphate homeostasis by MicroRNA in Arabidopsis. <b>2006</b> , 18, 412-21	629
1290	Are viral-encoded microRNAs mediating latent HIV-1 infection?. <b>2006</b> , 25, 223-31	34
1289	The RNA silencing endonuclease Argonaute 2 mediates specific antiviral immunity in Drosophila melanogaster. <b>2006</b> , 20, 2985-95	432
1288	trans regulation of cap-independent translation by a viral subgenomic RNA. <b>2006</b> , 80, 10045-54	17
1287	Differences in vertebrate microRNA expression. <b>2006</b> , 103, 14385-9	212
1286	MicroRNA regulates the expression of human cytochrome P450 1B1. <b>2006</b> , 66, 9090-8	335
1285	Changing images of the gene. <b>2006</b> , 56, 53-100	6
1284	MicroRNAs: new players in an old game. <b>2006</b> , 103, 3951-2	11
1283	Direct evolution of genetic robustness in microRNA. <b>2006</b> , 103, 6593-8	69
1282	Translational repression is sufficient for gene silencing by bacterial small noncoding RNAs in the absence of mRNA destruction. <b>2006</b> , 103, 4858-63	142
1281	Cell-type-specific signatures of microRNAs on target mRNA expression. <b>2006</b> , 103, 2746-51	528
1280	Characterization of five microRNA families in maize. <b>2006</b> , 57, 2601-12	62
1279	Drosophila lacking microRNA miR-278 are defective in energy homeostasis. <b>2006</b> , 20, 417-22	186
1278	RNA interference-mediated cyclooxygenase-2 inhibition prevents prostate cancer cell growth and induces differentiation: modulation of neuronal protein synaptophysin, cyclin D1, and androgen receptor. <b>2006</b> , 5, 1117-25	42
1277	Evolution of class III homeodomain-leucine zipper genes in streptophytes. <b>2006</b> , 173, 373-88	114
1276	Genomic organization, differential expression, and interaction of SQUAMOSA promoter-binding-like transcription factors and microRNA156 in rice. <b>2006</b> , 142, 280-93	442
1275	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1135-1140	1
1274	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1115-1115	

1273	Prediction of genomic functional elements. <b>2006</b> , 7, 315-38	34
1272	Methods for analyzing microRNA expression and function during hematopoietic lineage differentiation. <b>2006</b> , 342, 209-27	9
1271	Are microRNAs located in genomic regions associated with cancer?. <b>2006</b> , 95, 1415-8	36
1270	Optimization and functional effects of stable short hairpin RNA expression in primary human lymphocytes via lentiviral vectors. <b>2006</b> , 14, 494-504	134
1269	Hierarchical action and inhibition of plant Dicer-like proteins in antiviral defense. 2006, 313, 68-71	683
1268	Running interference: prospects and obstacles to using small interfering RNAs as small molecule drugs. <b>2006</b> , 8, 377-402	100
1267	MicroRNAs: regulators of gene expression and cell differentiation. <b>2006</b> , 108, 3646-53	377
1266	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2006</b> , 1153-1160	3
1265	Evaluation of RNA Secondary Structure Motifs using Regression Analysis. 2006,	
1264	Detecting MicroRNA Targets by Linking Sequence, MicroRNA and Gene Expression Data. <b>2006</b> , 114-129	13
1264	Detecting MicroRNA Targets by Linking Sequence, MicroRNA and Gene Expression Data. <b>2006</b> , 114-129  The colorectal microRNAome. <b>2006</b> , 103, 3687-92	13 797
1263	The colorectal microRNAome. <b>2006</b> , 103, 3687-92  Cotranscriptional recognition of human intronic box H/ACA snoRNAs occurs in a splicing-independent manner. <b>2006</b> , 26, 2540-9	797
1263 1262 1261	The colorectal microRNAome. <b>2006</b> , 103, 3687-92  Cotranscriptional recognition of human intronic box H/ACA snoRNAs occurs in a splicing-independent manner. <b>2006</b> , 26, 2540-9	797 60
1263 1262 1261	The colorectal microRNAome. <b>2006</b> , 103, 3687-92  Cotranscriptional recognition of human intronic box H/ACA snoRNAs occurs in a splicing-independent manner. <b>2006</b> , 26, 2540-9  Transcriptional origin of Kaposi's sarcoma-associated herpesvirus microRNAs. <b>2006</b> , 80, 2234-42	797 60 114
1263 1262 1261 1260	The colorectal microRNAome. 2006, 103, 3687-92  Cotranscriptional recognition of human intronic box H/ACA snoRNAs occurs in a splicing-independent manner. 2006, 26, 2540-9  Transcriptional origin of Kaposi's sarcoma-associated herpesvirus microRNAs. 2006, 80, 2234-42  Reciprocal actions of REST and a microRNA promote neuronal identity. 2006, 103, 2422-7  Many novel mammalian microRNA candidates identified by extensive cloning and RAKE analysis. 2006, 16, 1289-98	797 60 114 612
1263 1262 1261 1260	The colorectal microRNAome. 2006, 103, 3687-92  Cotranscriptional recognition of human intronic box H/ACA snoRNAs occurs in a splicing-independent manner. 2006, 26, 2540-9  Transcriptional origin of Kaposi's sarcoma-associated herpesvirus microRNAs. 2006, 80, 2234-42  Reciprocal actions of REST and a microRNA promote neuronal identity. 2006, 103, 2422-7  Many novel mammalian microRNA candidates identified by extensive cloning and RAKE analysis. 2006, 16, 1289-98	797 60 114 612 217

1255	Myogenic factors that regulate expression of muscle-specific microRNAs. 2006, 103, 8721-6	581
1254	MicroRNA-21 knockdown disrupts glioma growth in vivo and displays synergistic cytotoxicity with neural precursor cell delivered S-TRAIL in human gliomas. <b>2007</b> , 67, 8994-9000	373
1253	Genomic analysis of human microRNA transcripts. <b>2007</b> , 104, 17719-24	402
1252	Heart Development in Drosophila. <b>2007</b> , 1-29	1
1251	A cellular micro-RNA, let-7i, regulates Toll-like receptor 4 expression and contributes to cholangiocyte immune responses against Cryptosporidium parvum infection. <b>2007</b> , 282, 28929-28938	354
1250	Evidence of spatially bound gene regulation in Mus musculus: decreased gene expression proximal to microRNA genomic location. <b>2007</b> , 104, 5020-5	2
1249	MiPred: classification of real and pseudo microRNA precursors using random forest prediction model with combined features. <b>2007</b> , 35, W339-44	377
1248	Gene silencing by small regulatory RNAs in mammalian cells. <b>2007</b> , 6, 444-9	100
1247	Genomics and proteomics approaches in understanding tumor angiogenesis. <b>2007</b> , 7, 133-47	9
1246	Overexpression of micro ribonucleic acid 29, highly up-regulated in diabetic rats, leads to insulin resistance in 3T3-L1 adipocytes. <b>2007</b> , 21, 2785-94	336
1245	Peroxisome proliferator-activated receptor alpha regulates a microRNA-mediated signaling cascade responsible for hepatocellular proliferation. <b>2007</b> , 27, 4238-47	229
1244	MicroRNA expression signatures accurately discriminate acute lymphoblastic leukemia from acute myeloid leukemia. <b>2007</b> , 104, 19971-6	378
1243	A biochemical approach to identifying microRNA targets. <b>2007</b> , 104, 19291-6	319
1242	MicroRNA genes are frequently located near mouse cancer susceptibility loci. 2007, 104, 8017-22	131
1241	Critical roles for Dicer in the female germline. <b>2007</b> , 21, 682-93	386
1240	Noncoding RNAs in the brain. <b>2007</b> , 27, 11856-9	31
1239	MicroRNA-378 promotes cell survival, tumor growth, and angiogenesis by targeting SuFu and Fus-1 expression. <b>2007</b> , 104, 20350-5	452
1238	Let-7 microRNA-mediated mRNA deadenylation and translational repression in a mammalian cell-free system. <b>2007</b> , 21, 1857-62	230

1237	Genomic and genetic control of phosphate stress in legumes. 2007, 144, 594-603	62
1236	miR-150, a microRNA expressed in mature B and T cells, blocks early B cell development when expressed prematurely. <b>2007</b> , 104, 7080-5	505
1235	Polymorphisms within micro-RNA-binding sites and risk of sporadic colorectal cancer. <b>2008</b> , 29, 579-84	221
1234	A simple array platform for microRNA analysis and its application in mouse tissues. <b>2007</b> , 13, 1803-22	88
1233	Human polymorphism at microRNAs and microRNA target sites. 2007, 104, 3300-5	562
1232	Targeted discovery of novel human exons by comparative genomics. <b>2007</b> , 17, 1763-73	38
1231	The interplay between microRNAs and the neurotrophin receptor tropomyosin-related kinase C controls proliferation of human neuroblastoma cells. <b>2007</b> , 104, 7957-62	122
1230	Expression of a novel non-coding mitochondrial RNA in human proliferating cells. 2007, 35, 7336-47	56
1229	MicroRNA-124a regulates Foxa2 expression and intracellular signaling in pancreatic beta-cell lines. <b>2007</b> , 282, 19575-88	271
1228	A novel microarray approach reveals new tissue-specific signatures of known and predicted mammalian microRNAs. <b>2007</b> , 35, e52	130
1227	Analysis of the interaction of primate retroviruses with the human RNA interference machinery. <b>2007</b> , 81, 12218-26	144
1226	Anopheles gambiae miRNAs as actors of defence reaction against Plasmodium invasion. <b>2007</b> , 35, 6953-62	102
1225	Modulation of LMP1 protein expression by EBV-encoded microRNAs. 2007, 104, 16164-9	292
1224	MicroRNA-21 targets the tumor suppressor gene tropomyosin 1 (TPM1). <b>2007</b> , 282, 14328-36	846
1223	Distinctive patterns of microRNA expression in primary muscular disorders. 2007, 104, 17016-21	391
1222	Nuclear gene silencing directs reception of long-distance mRNA silencing in Arabidopsis. <b>2007</b> , 104, 14741-6	188
1221	Determinants of targeting by endogenous and exogenous microRNAs and siRNAs. 2007, 13, 1894-910	288
1220	MicroRNA expression is required for pancreatic islet cell genesis in the mouse. <b>2007</b> , 56, 2938-45	309

1219 Crop Breeding Prospects in the Genomics Era. 2007, 8, 29-49

1218 MicroRNAs and regenerative medicine. <b>2007</b> , 26, 257-64	22
Two small regulatory RNAs establish opposing fates of a developmental axis. <b>2007</b> , 21, 750-5	191
1216 Micromanagement during the innate immune response. <b>2007</b> , 2007, pe25	9
Strand-specific 5'-O-methylation of siRNA duplexes controls guide strand selection and targeting specificity. <b>2008</b> , 14, 263-74	148
1214 Evolutionary conservation of UTR intron boundaries in Cryptococcus. <b>2007</b> , 24, 1140-8	17
miRGator: an integrated system for functional annotation of microRNAs. <b>2008</b> , 36, D159-64	127
1212 Cerebellar neurodegeneration in the absence of microRNAs. <b>2007</b> , 204, 1553-8	419
1211 Regulatory circuit of human microRNA biogenesis. <b>2007</b> , 3, e67	59
The expression profile of micro-RNA in endometrium and endometriosis and the influence of ovarian steroids on their expression. <b>2007</b> , 13, 797-806	230
Enjoy the Silence: The Story of let-7 MicroRNA and Cancer. <b>2007</b> , 8, 229-33	72
A human cytomegalovirus-encoded microRNA regulates expression of multiple viral genes involved in replication. <b>2007</b> , 3, e163	207
Small interfering RNA in drug metabolism and transport. <b>2007</b> , 8, 700-8	33
1206 Regulation of microRNA Expression: the Hypoxic Component. <b>2007</b> , 6, 1425-1430	103
Molecular therapy in the microRNA era. <b>2007</b> , 7, 297-304	63
The expression of Argonaute2 and related microRNA biogenesis proteins in normal and hypoxic trophoblasts. <b>2007</b> , 13, 273-9	115
A facile lentiviral vector system for expression of doxycycline-inducible shRNAs: knockdown of the pre-miRNA processing enzyme Drosha. <b>2007</b> , 15, 938-45	41
1202 Small RNA mediated silencing to target Tomato leaf curl virus. <b>2007</b> , 2, 213-218	5

1201 Expanding RNA physiology: microRNAs in a unicellular organism. <b>2007</b> , 21, 1153-6	10
1200 Characterization and identification of microRNA core promoters in four model species. <b>2007</b> , 3, e37	238
"Myc'ed messages": myc induces transcription of E2F1 while inhibiting its translation via a microRNA polycistron. <b>2007</b> , 3, e146	93
1198 Small regulatory RNAs may sharpen spatial expression patterns. <b>2007</b> , 3, e233	79
Quantitative characteristics of gene regulation by small RNA. <b>2007</b> , 5, e229	305
From bytes to bedside: data integration and computational biology for translational cancer research. <b>2007</b> , 3, e12	48
Modulating the expression of disease genes with RNA-based therapy. <b>2007</b> , 3, e109	73
1194 Identification of cellular genes targeted by KSHV-encoded microRNAs. <b>2007</b> , 3, e65	248
Discovery of microRNA-mRNA modules via population-based probabilistic learning. <b>2007</b> , 23, 1141-7	139
RNA Sampler: a new sampling based algorithm for common RNA secondary structure prediction and structural alignment. <b>2007</b> , 23, 1883-91	55
FatiGO +: a functional profiling tool for genomic data. Integration of functional annotation, regulatory motifs and interaction data with microarray experiments. <b>2007</b> , 35, W91-6	215
1190 Tribute to P. L. Lutz: putting life on 'pause'molecular regulation of hypometabolism. <b>2007</b> , 210, 1700-14	200
Discovery and profiling of bovine microRNAs from immune-related and embryonic tissues. <b>2007</b> , 29, 35-43	87
1188 Reliable prediction of Drosha processing sites improves microRNA gene prediction. <b>2007</b> , 23, 142-9	101
Specific residues at every third position of siRNA shape its efficient RNAi activity. <b>2007</b> , 35, e27	68
The small RNA repertoire of Dictyostelium discoideum and its regulation by components of the RNAi pathway. <b>2007</b> , 35, 6714-26	44
1185 Oncogenic HMGA2: short or small?. <b>2007</b> , 21, 1005-9	78
1184 Raising the estimate of functional human sequences. <b>2007</b> , 17, 1245-53	185

1183	Systematic discovery and characterization of fly microRNAs using 12 Drosophila genomes. <b>2007</b> , 17, 1865-79	158
1182	Epstein-Barr virus-encoded latent membrane protein 1 (LMP1) induces the expression of the cellular microRNA miR-146a. <b>2007</b> , 4, 131-7	165
1181	Distinct ribonucleoprotein reservoirs for microRNA and siRNA populations in C. elegans. <b>2007</b> , 13, 1492-504	13
1180	Identification of novel biomarkers in pediatric primitive neuroectodermal tumors and ependymomas by proteome-wide analysis. <b>2007</b> , 66, 505-16	35
1179	Global analysis of microRNA target gene expression reveals that miRNA targets are lower expressed in mature mouse and Drosophila tissues than in the embryos. <b>2007</b> , 35, 152-64	112
1178	ViTa: prediction of host microRNAs targets on viruses. <b>2007</b> , 35, D381-5	88
1177	Automated parallel isolation of multiple species of non-coding RNAs by the reciprocal circulating chromatography method. <b>2007</b> , 35, e24	63
1176	Improvement of whole-genome annotation of cereals through comparative analyses. <b>2007</b> , 17, 299-310	20
1175	Epstein-Barr virus BHRF1 micro- and stable RNAs during latency III and after induction of replication. <b>2007</b> , 81, 9967-75	83
1174	The guardian's little helper: microRNAs in the p53 tumor suppressor network. <b>2007</b> , 67, 11099-101	270
1173	CpG Island Hypermethylation of Tumor Suppressor microRNAs in Human Cancer. 2007, 6, 1454-1458	160
1172	Common functions for diverse small RNAs of land plants. <b>2007</b> , 19, 1750-69	340
1171	Drug discovery using the regulation of gene expression. <b>2007</b> , 2, 987-1000	
1170	Investigation of microRNA alterations in leukemias and lymphomas. <b>2007</b> , 427, 193-213	24
1169	Xenopus microRNA genes are predominantly located within introns and are differentially expressed in adult frog tissues via post-transcriptional regulation. <b>2008</b> , 18, 104-12	55
1168	The NS3 protein of Rice hoja blanca tenuivirus suppresses RNA silencing in plant and insect hosts by efficiently binding both siRNAs and miRNAs. <b>2007</b> , 13, 1079-89	82
1167	Regulation of microRNA by antagomirs: a new class of pharmacological antagonists for the specific regulation of gene function?. <b>2007</b> , 36, 8-12	68
1166	Systematic analysis of microRNA expression of RNA extracted from fresh frozen and formalin-fixed paraffin-embedded samples. <b>2007</b> , 13, 1668-74	45°

1165	A microarray for microRNA profiling in mouse testis tissues. <b>2007</b> , 134, 73-9	147
1164	Regulatory mechanisms of microRNAs involvement in cancer. <b>2007</b> , 7, 1009-19	135
1163	RNA silencing systems and their relevance to allele-specific DNA methylation in plants. <b>2007</b> , 71, 2632-46	7
1162	Universal power law behaviors in genomic sequences and evolutionary models. <b>2007</b> , 76, 021902	4
1161	Tumor-suppressive miR-34a induces senescence-like growth arrest through modulation of the E2F pathway in human colon cancer cells. <b>2007</b> , 104, 15472-7	802
1160	CD34+ hematopoietic stem-progenitor cell microRNA expression and function: a circuit diagram of differentiation control. <b>2007</b> , 104, 2750-5	424
1159	Methylation of human microRNA genes in normal and neoplastic cells. 2007, 6, 1001-5	229
1158	Dicer dependent microRNAs regulate gene expression and functions in human endothelial cells. <b>2007</b> , 100, 1164-73	585
1157	An intragenic MEF2-dependent enhancer directs muscle-specific expression of microRNAs 1 and 133. <b>2007</b> , 104, 20844-9	355
1156	Infection and coaccumulation of tobacco mosaic virus proteins alter microRNA levels, correlating with symptom and plant development. <b>2007</b> , 104, 12157-62	175
1155	A structured viroid RNA serves as a substrate for dicer-like cleavage to produce biologically active small RNAs but is resistant to RNA-induced silencing complex-mediated degradation. <b>2007</b> , 81, 2980-94	169
1154	Maternal microRNAs are essential for mouse zygotic development. <b>2007</b> , 21, 644-8	427
1153	MicroRNAs (miRNAs) and Plant Development. 2007,	2
1152	MicroRNAs in viral replication and pathogenesis. <b>2007</b> , 26, 239-49	27
1151	Aberrant allele frequencies of the SNPs located in microRNA target sites are potentially associated with human cancers. <b>2007</b> , 35, 4535-41	230
1150	Na⊠e Bayes for microRNA target predictionsmachine learning for microRNA targets. <b>2007</b> , 23, 2987-92	122
1149	Bayesian inference of MicroRNA targets from sequence and expression data. <b>2007</b> , 14, 550-63	98
1148	MicroRNAs in synapse development: tiny molecules to remember. <b>2007</b> , 7, 1823-31	16

1147	MicroRNA regulation of cyclooxygenase-2 during embryo implantation. <b>2007</b> , 104, 15144-9	222
1146	A complex system of small RNAs in the unicellular green alga Chlamydomonas reinhardtii. <b>2007</b> , 21, 1190-203	323
1145	Use of miRNA expression profiling to identify novel biomarkers. <b>2007</b> , 4, 147-155	1
1144	MicroRNAs: novel regulators involved in the pathogenesis of psoriasis?. <b>2007</b> , 2, e610	540
1143	Global and local architecture of the mammalian microRNA-transcription factor regulatory network. <b>2007</b> , 3, e131	395
1142	The micro-ribonucleic acid (miRNA) miR-206 targets the human estrogen receptor-alpha (ERalpha) and represses ERalpha messenger RNA and protein expression in breast cancer cell lines. <b>2007</b> , 21, 1132-47	395
1141	Hydrophobization and bioconjugation for enhanced siRNA delivery and targeting. 2007, 13, 431-56	176
1140	Trans-generational epistasis between Dnd1Ter and other modifier genes controls susceptibility to testicular germ cell tumors. <b>2007</b> , 16, 2233-40	38
1139	Binding of tobamovirus replication protein with small RNA duplexes. <b>2007</b> , 88, 2347-2352	51
1138	The mouse homolog of HEN1 is a potential methylase for Piwi-interacting RNAs. <b>2007</b> , 13, 1397-401	127
1137	Subtractive hybridization identifies novel differentially expressed ncRNA species in EBV-infected human B cells. <b>2007</b> , 35, e73	82
1136	The N-terminal double-stranded RNA binding domains of Arabidopsis HYPONASTIC LEAVES1 are sufficient for pre-microRNA processing. <b>2007</b> , 19, 914-25	71
1135	Hypothesis: RNA editing of microRNA target sites in humans?. <b>2007</b> , 13, 463-7	69
1134	Distinct expression patterns of natural antisense transcripts in Arabidopsis. <b>2007</b> , 144, 1247-55	78
1133	A novel non-protein-coding infection-specific gene family is clustered throughout the genome of Phytophthora infestans. <b>2007</b> , 153, 747-59	24
1132	Rapid evolution of an X-linked microRNA cluster in primates. <b>2007</b> , 17, 612-7	126
1131	A novel testis ubiquitin-binding protein gene arose by exon shuffling in hominoids. <b>2007</b> , 17, 1129-38	47
1130	Adenovirus virus-associated RNAII-derived small RNAs are efficiently incorporated into the rna-induced silencing complex and associate with polyribosomes. <b>2007</b> , 81, 10540-9	90

1129	MicroRNAs and cell cycle regulation. <b>2007</b> , 6, 2127-32	283
1128	Crystal structure, stability and in vitro RNAi activity of oligoribonucleotides containing the ribo-difluorotoluyl nucleotide: insights into substrate requirements by the human RISC Ago2 enzyme. <b>2007</b> , 35, 6424-38	42
1127	MicroRNAs (miR)-221 and miR-222, both overexpressed in human thyroid papillary carcinomas, regulate p27Kip1 protein levels and cell cycle. <b>2007</b> , 14, 791-8	341
1126	In vitro and in silico annotation of conserved and nonconserved microRNAs in the genome of the marsupial Monodelphis domestica. <b>2008</b> , 99, 66-72	10
1125	Target-specific requirements for enhancers of decapping in miRNA-mediated gene silencing. <b>2007</b> , 21, 2558-70	230
1124	Epstein-Barr virus-encoded microRNA miR-BART2 down-regulates the viral DNA polymerase BALF5. <b>2008</b> , 36, 666-75	269
1123	MicroRNAs in human cancer: from research to therapy. <b>2007</b> , 120, 1833-40	200
1122	De novo SVM classification of precursor microRNAs from genomic pseudo hairpins using global and intrinsic folding measures. <b>2007</b> , 23, 1321-30	188
1121	The let-7 microRNA represses cell proliferation pathways in human cells. <b>2007</b> , 67, 7713-22	1065
1120	Conservation of virally encoded microRNAs in Kaposi sarcomaassociated herpesvirus in primary effusion lymphoma cell lines and in patients with Kaposi sarcoma or multicentric Castleman disease. <b>2007</b> , 195, 645-59	88
1119	Differential regulation of microRNAs by p53 revealed by massively parallel sequencing: miR-34a is a p53 target that induces apoptosis and G1-arrest. <b>2007</b> , 6, 1586-93	794
1118	Detection of let-7a microRNA by real-time PCR in colorectal cancer: a single-centre experience from China. <b>2007</b> , 35, 716-23	21
1117	Mouse cytomegalovirus microRNAs dominate the cellular small RNA profile during lytic infection and show features of posttranscriptional regulation. <b>2007</b> , 81, 13771-82	86
1116	A family of microRNAs present in plants and animals. <b>2006</b> , 18, 3355-69	117
1115	Technology insight: therapeutic RNA interferencehow far from the neurology clinic?. 2007, 3, 394-404	33
1114	Resizing the genomic regulation of restenosis. <b>2007</b> , 100, 1537-9	5
1113	Coordinate suppression of ERBB2 and ERBB3 by enforced expression of micro-RNA miR-125a or miR-125b. <b>2007</b> , 282, 1479-86	494
1112	Post-transcriptional regulation of the let-7 microRNA during neural cell specification. <b>2007</b> , 21, 415-26	279

1111	Chaplet column chromatography: isolation of a large set of individual RNAs in a single step. <b>2007</b> , 425, 231-9	47
1110	Dicer: Structure, Function And Role In RNA-Dependent Gene-Silencing Pathways. <b>2007</b> , 421-438	5
1109	High conservation of Kaposi sarcomaassociated herpesvirus microRNAs implies important function. <b>2007</b> , 195, 618-20	8
1108	Vir-Mir db: prediction of viral microRNA candidate hairpins. <b>2008</b> , 36, D184-9	73
1107	Oryza sativa dicer-like4 reveals a key role for small interfering RNA silencing in plant development. <b>2007</b> , 19, 2705-18	115
1106	Redundancy and specialization among plant microRNAs: role of the MIR164 family in developmental robustness. <b>2007</b> , 134, 1051-60	270
1105	MicroRNA expression patterns to differentiate pancreatic adenocarcinoma from normal pancreas and chronic pancreatitis. <b>2007</b> , 297, 1901-8	928
1104	Derepression of microRNA-mediated protein translation inhibition by apolipoprotein B mRNA-editing enzyme catalytic polypeptide-like 3G (APOBEC3G) and its family members. <b>2007</b> , 282, 33632-33640	91
1103	Most Caenorhabditis elegans microRNAs are individually not essential for development or viability. <b>2007</b> , 3, e215	368
1102	UTRome.org: a platform for 3'UTR biology in C. elegans. <b>2008</b> , 36, D57-62	16
1101	Marek's disease virus type 2 (MDV-2)-encoded microRNAs show no sequence conservation with those encoded by MDV-1. <b>2007</b> , 81, 7164-70	87
1100	MicroRNA regulation of human protein protein interaction network. <b>2007</b> , 13, 1402-8	134
1099	MicroRNA expression profiles for the NCI-60 cancer cell panel. 2007, 6, 1483-91	215
1098	Multiple small RNAs act additively to integrate sensory information and control quorum sensing in Vibrio harveyi. <b>2007</b> , 21, 221-33	187
1097	Structural and Functional Organization of miRNAs. 2007, 5, 157-166	
1096	Human TRIM71 and its nematode homologue are targets of let-7 microRNA and its zebrafish orthologue is essential for development. <b>2007</b> , 24, 2525-34	66
1095	Epigenetics and microRNAs. <b>2007</b> , 61, 17R-23R	84
1094	A new paradigm for developmental biology. <b>2007</b> , 210, 1526-47	188

1093 Cloning and expression profiling of small RNAs expressed in the mouse ovary. <b>2007</b> , 13, 2366-80	150
1092 Emerging role of microRNAs in cardiovascular biology. <b>2007</b> , 101, 1225-36	238
1091 Hepatitis C virus host cell interactions uncovered. <b>2007</b> , 104, 13215-6	4
1090 RNA sequence analysis defines Dicer's role in mouse embryonic stem cells. <b>2007</b> , 104, 18097-102	261
1089 Transgenic RNAi depletion of claudin-16 and the renal handling of magnesium. <b>2007</b> , 282, 17114-22	124
$_{f 1088}$ PolymiRTS Database: linking polymorphisms in microRNA target sites with complex traits. <b>2007</b> , 35, D51-	4 134
1087 Distance constraints between microRNA target sites dictate efficacy and cooperativity. <b>2007</b> , 35, 2333-4	2 256
1086 Exploring cell type-specific internalizing antibodies for targeted delivery of siRNA. <b>2007</b> , 6, 112-9	22
1085 Kaposi's sarcoma-associated herpesvirus encodes an ortholog of miR-155. <b>2007</b> , 81, 12836-45	390
1084 Transgenic RNA interference in mice. <b>2007</b> , 22, 161-6	28
Transgenic RNA interference in mice. <b>2007</b> , 22, 161-6  1083 Regulatory role and evolution of unconventional NOS-related RNAs. <b>2007</b> , 1, 181-457	28
1083 Regulatory role and evolution of unconventional NOS-related RNAs. <b>2007</b> , 1, 181-457	3
Regulatory role and evolution of unconventional NOS-related RNAs. <b>2007</b> , 1, 181-457  1082 [Micro RNA and viral infections in mammals]. <b>2007</b> , 201, 377-84	2
Regulatory role and evolution of unconventional NOS-related RNAs. 2007, 1, 181-457  [Micro RNA and viral infections in mammals]. 2007, 201, 377-84  Viroid: a useful model for studying the basic principles of infection and RNA biology. 2007, 20, 7-20  Soybean mosaic virus Helper Component-Protease Alters Leaf Morphology and Reduces Seed	3 2 85
Regulatory role and evolution of unconventional NOS-related RNAs. 2007, 1, 181-457  [Micro RNA and viral infections in mammals]. 2007, 201, 377-84  Viroid: a useful model for studying the basic principles of infection and RNA biology. 2007, 20, 7-20  Soybean mosaic virus Helper Component-Protease Alters Leaf Morphology and Reduces Seed Production in Transgenic Soybean Plants. 2007, 97, 366-72  Changes of micro-RNA expression in rat liver treated by acetaminophen or carbon	3 2 85
Regulatory role and evolution of unconventional NOS-related RNAs. 2007, 1, 181-457  [Micro RNA and viral infections in mammals]. 2007, 201, 377-84  Viroid: a useful model for studying the basic principles of infection and RNA biology. 2007, 20, 7-20  Soybean mosaic virus Helper Component-Protease Alters Leaf Morphology and Reduces Seed Production in Transgenic Soybean Plants. 2007, 97, 366-72  Changes of micro-RNA expression in rat liver treated by acetaminophen or carbon tetrachlorideregulating role of micro-RNA for RNA expression. 2007, 32, 401-9	3 2 85 19 81

Retroviral insertional activation of the Fli-3 locus in erythroleukemias encoding a cluster of microRNAs that convert Epo-induced differentiation to proliferation. <b>2007</b> , 110, 2631-40	48
1074 MicroRNAs play a role in neoplasia. <b>2007</b> , 109, 5071-5072	77
1073 MicroRNoma Genomewide Profiling by Microarray. <b>2007</b> , 251-270	
Recent patents on the identification and clinical application of microRNAs and target genes. <b>2007</b> , 1, 116-24	3
1071 Small RNAs, big potential: the role of MicroRNAs in stem cell function. <b>2007</b> , 2, 264-71	55
1070 Biological clocks and the coordination theory of RNA operons and regulons. <b>2007</b> , 72, 157-65	28
1069 Regulation of p27Kip1 by miRNA 221/222 in glioblastoma. <b>2007</b> , 6, 2005-9	211
$_{1068}$ Small RNAs as big players in plant abiotic stress responses and nutrient deprivation. <b>2007</b> , 12, 301-9	726
1067 Micro-RNA profiling in kidney and bladder cancers. <b>2007</b> , 25, 387-92	522
1066 Function and translational regulation of mRNA in developing axons. <b>2007</b> , 18, 209-15	64
1065 microRNAs as oncogenes and tumor suppressors. <b>2007</b> , 302, 1-12	1977
Molecular mechanisms of optic vesicle development: complexities, ambiguities and controversies. <b>2007</b> , 305, 1-13	112
1063 Essential role for Dicer during skeletal muscle development. <b>2007</b> , 311, 359-68	261
1062 Cloning and expression profiling of testis-expressed microRNAs. <b>2007</b> , 311, 592-602	213
1061 Expression of microRNAs is dynamically regulated during cardiomyocyte hypertrophy. <b>2007</b> , 42, 1137	-41 382
In vitro analysis of microRNA processing using recombinant Dicer and cytoplasmic extracts of HeLa cells. <b>2007</b> , 43, 105-9	22
mrap, a sensitive method for determination of microRNA expression profiles. <b>2007</b> , 43, 118-22	7
1058 Isolation of microRNA targets using biotinylated synthetic microRNAs. <b>2007</b> , 43, 162-5	136

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Analysis of microRNA expression by in situ hybridization with RNA oligonucleotide probes. <b>2007</b> , 43, 153-61	50
miChip: a microarray platform for expression profiling of microRNAs based on locked nucleic acid (LNA) oligonucleotide capture probes. <b>2007</b> , 43, 146-52	60
1055 Identifying expression of new small RNAs by microarrays. <b>2007</b> , 43, 123-30	12
1054 Functional diversity of miRNA in plants. <b>2007</b> , 172, 423-432	84
1053 Role of brain-derived neurotrophic factor in Huntington's disease. <b>2007</b> , 81, 294-330	419
1052 Analysis of transcription, chromatin dynamics and epigenetic changes in neural genes. <b>2007</b> , 83, 195-210	6
1051 UV-B responsive microRNA genes in Arabidopsis thaliana. <b>2007</b> , 3, 103	187
1050 Virus-induced disease: altering host physiology one interaction at a time. <b>2007</b> , 45, 221-43	120
1049 MicroRNA-143 and -145 in colon cancer. <b>2007</b> , 26, 311-20	188
1048 Control of stress-dependent cardiac growth and gene expression by a microRNA. <b>2007</b> , 316, 575-9	1357
1047 Eukaryotic regulatory RNAs: an answer to the 'genome complexity' conundrum. <b>2007</b> , 21, 11-42	320
Transactivation of miR-34a by p53 broadly influences gene expression and promotes apoptosis. <b>2007</b> , 26, 745-52	1696
Hormone signalling and root development: an update on the latest Arabidopsis thaliana research. <b>2007</b> , 34, 163-171	8
1044 Functional aptamers and aptazymes in biotechnology, diagnostics, and therapy. <b>2007</b> , 107, 3715-43	759
1043 MicroRNA, the putative molecular control for mid-life decline. <b>2007</b> , 6, 1-11	33
Multiple paths to a drug resistance phenotype: mutations, translocations, deletions and amplification of coding genes or promoter regions, epigenetic changes and microRNAs. <b>2007</b> , 10, 59-67	147
1041 The role of microRNAs in cancer: no small matter. <b>2007</b> , 43, 1529-44	282
RNA targeting by DNA binding drugs: structural, conformational and energetic aspects of the binding of quinacrine and DAPI to A-form and H(L)-form of poly(rC).poly(rG). <b>2007</b> , 1770, 1636-50	40

1039	MicroRNAs preferentially target the genes with high transcriptional regulation complexity. <b>2007</b> , 352, 733-8	110
1038	Instability of miRNA and cDNAs derivatives in RNA preparations. <b>2007</b> , 353, 1052-5	52
1037	Identification of drought-induced microRNAs in rice. <b>2007</b> , 354, 585-90	417
1036	The role of microRNA in the delayed negative feedback regulation of gene expression. 2007, 358, 722-6	46
1035	shRNA driven by Pol II/T7 dual-promoter system effectively induce cell-specific RNA interference in mammalian cells. <b>2007</b> , 360, 496-500	11
1034	Marked change in microRNA expression during neuronal differentiation of human teratocarcinoma NTera2D1 and mouse embryonal carcinoma P19 cells. <b>2007</b> , 362, 360-7	59
1033	Optimization of short hairpin RNA for lentiviral-mediated RNAi against WAS. 2007, 362, 498-503	6
1032	miRNomics-The bioinformatics of microRNA genes. <b>2007</b> , 363, 6-11	41
1031	MicroRNAs and regeneration: Let-7 members as potential regulators of dedifferentiation in lens and inner ear hair cell regeneration of the adult newt. <b>2007</b> , 362, 940-5	74
1030	Blockade of invasion and metastasis of breast cancer cells via targeting CXCR4 with an artificial microRNA. <b>2007</b> , 363, 542-6	116
1029	An evolutionarily conserved mechanism for microRNA-223 expression revealed by microRNA gene profiling. <i>Cell</i> , <b>2007</b> , 129, 617-31	275
1028	miR-181a is an intrinsic modulator of T cell sensitivity and selection. <i>Cell</i> , <b>2007</b> , 129, 147-61 56.2	970
1027	RNAi-dependent and -independent RNA turnover mechanisms contribute to heterochromatic gene silencing. <i>Cell</i> , <b>2007</b> , 129, 707-21	201
1026	A mammalian microRNA expression atlas based on small RNA library sequencing. <i>Cell</i> , <b>2007</b> , 129, 1401-1 <del>4</del> 6.2	3005
1025	An mRNA m7G cap binding-like motif within human Ago2 represses translation. <i>Cell</i> , <b>2007</b> , 129, 1141-51 <sub>5</sub> 6.2	332
1024	Drosophila microRNAs are sorted into functionally distinct argonaute complexes after production by dicer-1. <i>Cell</i> , <b>2007</b> , 130, 287-97	336
1023	MiR-150 controls B cell differentiation by targeting the transcription factor c-Myb. <i>Cell</i> , <b>2007</b> , 131, 146-596.2	848
1022	Antiviral immunity directed by small RNAs. <i>Cell</i> , <b>2007</b> , 130, 413-26	1111

#### (2007-2007)

1021	miR159 and miR319. <b>2007</b> , 13, 115-25	306
1020	And now introducing mammalian mirtrons. <b>2007</b> , 13, 605-607	33
1019	cDNA cloning, gene organization and variant specific expression of HIF-1 alpha in high altitude yak (Bos grunniens). <b>2007</b> , 386, 73-80	43
1018	Non-coding RNAs: lost in translation?. <b>2007</b> , 386, 1-10	130
1017	Expression profile analysis of microRNA (miRNA) in mouse central nervous system using a new miRNA detection system that examines hybridization signals at every step of washing. <b>2007</b> , 391, 39-44	73
1016	Comparative analysis of cis-encoded antisense RNAs in eukaryotes. <b>2007</b> , 392, 134-41	26
1015	Computational identification of microRNAs and their targets in Gossypium hirsutum expressed sequence tags. <b>2007</b> , 395, 49-61	113
1014	Identification of cotton microRNAs and their targets. <b>2007</b> , 397, 26-37	171
1013	Evolutionary conservation of a unique amino acid sequence in human DICER protein essential for binding to Argonaute family proteins. <b>2007</b> , 396, 312-20	21
1012	Identification, amplification and characterization of miR-17-92 from canine tissue. <b>2007</b> , 404, 25-30	27
1011	MicroRNAs in Drosophila: the magic wand to enter the Chamber of Secrets?. <b>2007</b> , 89, 1211-20	13
1010	A-to-I editing challenger or ally to the microRNA process. <b>2007</b> , 89, 1171-6	51
1009	The Piwi-piRNA pathway provides an adaptive defense in the transposon arms race. 2007, 318, 761-4	806
1008	Molecular cloning, sequence characterization and tissue-specific expression of six NAC-like genes in soybean (Glycine max (L.) Merr.). <b>2007</b> , 164, 1002-12	61
1007	Gene expression analysis in blood cells in response to unmodified and 2'-modified siRNAs reveals TLR-dependent and independent effects. <b>2007</b> , 365, 90-108	111
1006	RNA interference: implications for cancer treatment. <b>2007</b> , 28, 143-66	57
1005	Hypersusceptibility to vesicular stomatitis virus infection in Dicer1-deficient mice is due to impaired miR24 and miR93 expression. <b>2007</b> , 27, 123-34	286
1004	microRNA-155 regulates the generation of immunoglobulin class-switched plasma cells. <b>2007</b> , 27, 847-59	650

1003	RNA interference as a novel and powerful tool in immunopharmacological research. 2007, 7, 417-26	14
1002	Mechanism of RNA silencing by Hfq-binding small RNAs. <b>2007</b> , 10, 134-9	309
1001	RNA structure: bioinformatic analysis. <b>2007</b> , 10, 279-85	36
1000	Ribonuclease dicer cleaves triplet repeat hairpins into shorter repeats that silence specific targets. <b>2007</b> , 25, 575-86	154
999	miRNA editingwe should have inosine this coming. <b>2007</b> , 25, 792-3	37
998	Transcriptional activation of miR-34a contributes to p53-mediated apoptosis. <b>2007</b> , 26, 731-43	1120
997	MicroRNA-mediated feedback and feedforward loops are recurrent network motifs in mammals. <b>2007</b> , 26, 753-67	586
996	MicroRNA targeting specificity in mammals: determinants beyond seed pairing. <b>2007</b> , 27, 91-105	2989
995	The MicroRNA miR-124 promotes neuronal differentiation by triggering brain-specific alternative pre-mRNA splicing. <b>2007</b> , 27, 435-48	1068
994	The MUC1 and galectin-3 oncoproteins function in a microRNA-dependent regulatory loop. <b>2007</b> , 27, 992-1004	147
993	Systematic identification of C. elegans miRISC proteins, miRNAs, and mRNA targets by their interactions with GW182 proteins AIN-1 and AIN-2. <b>2007</b> , 28, 598-613	202
992	RNA 1997-2007: a remarkable decade of discovery. <b>2007</b> , 28, 715-20	20
991	Insect microRNAs: Structure, function and evolution. <b>2007</b> , 37, 3-9	56
990	Identification and characterization of microRNAs from the bovine adipose tissue and mammary gland. <b>2007</b> , 581, 981-8	114
989	Retained introns increase putative microRNA targets within 3' UTRs of human mRNA. 2007, 581, 1081-6	29
988	Computational identification of novel microRNAs and targets in Brassica napus. <b>2007</b> , 581, 1464-74	221
987	Abundance of microRNA target motifs in the 3'-UTRs of 20527 human genes. <b>2007</b> , 581, 1805-10	16
986	Identification and expression-profiling of Xenopus tropicalis miRNAs including plant miRNA-like RNAs at metamorphosis. <b>2007</b> , 581, 3013-8	6

Evidence for targeting common siRNA hotspots and GC preference by plant Dicer-like proteins. <b>2007</b> , 581, 3267-72	64
Cloning and characterization of microRNAs from Brassica napus. <b>2007</b> , 581, 3848-56	47
Computational analysis of microRNA-mediated antiviral defense in humans. 2007, 581, 4603-10	34
Allele-specific targeting of microRNAs to HLA-G and risk of asthma. <b>2007</b> , 81, 829-34	316
MicroRNAs as therapeutic targets in human diseases. <b>2007</b> , 11, 1119-29	42
Computational methods for microRNA target prediction. <b>2007</b> , 427, 65-86	92
Identification of human microRNA targets from isolated argonaute protein complexes. 2007, 4, 76-84	240
MicroRNAs are aberrantly expressed in hypertrophic heart: do they play a role in cardiac hypertrophy?. <b>2007</b> , 170, 1831-40	443
Why cells move messages: the biological functions of mRNA localization. <b>2007</b> , 18, 171-7	81
let-7 microRNA expression is reduced in bronchioloalveolar carcinoma, a non-invasive carcinoma, and is not correlated with prognosis. <b>2007</b> , 58, 392-6	66
Redirection of silencing targets by adenosine-to-inosine editing of miRNAs. 2007, 315, 1137-40	616
RNA Silencing and Its Application in Functional Genomics. <b>2007</b> , 291-332	1
From Rice to Other Cereals: Comparative Genomics. <b>2007</b> , 429-479	2
MicroRNA gene expression during retinoic acid-induced differentiation of human acute promyelocytic leukemia. <b>2007</b> , 26, 4148-57	322
Origin and evolution of human microRNAs from transposable elements. 2007, 176, 1323-37	253
Identification of virally encoded microRNAs. <b>2007</b> , 427, 51-63	22
Robust machine learning algorithms predict microRNA genes and targets. <b>2007</b> , 427, 25-49	2
Cloning and detecting signature microRNAs from mammalian cells. <b>2007</b> , 427, 123-38	13
	Cloning and characterization of microRNAs from Brassica napus. 2007, 581, 3848-56  Computational analysis of microRNA-mediated antiviral defense in humans. 2007, 581, 4603-10  Allele-specific targeting of microRNAs to HLA-G and risk of asthma. 2007, 81, 829-34  MicroRNAs as therapeutic targets in human diseases. 2007, 11, 1119-29  Computational methods for microRNA target prediction. 2007, 427, 65-86  Identification of human microRNA targets from isolated argonaute protein complexes. 2007, 4, 76-84  MicroRNAs are aberrantly expressed in hypertrophic heart: do they play a role in cardiac hypertrophyz. 2007, 170, 1831-40  Why cells move messages: the biological functions of mRNA localization. 2007, 18, 171-7  let-7 microRNA expression is reduced in bronchioloalveolar carcinoma, a non-invasive carcinoma, and is not correlated with prognosis. 2007, 58, 392-6  Redirection of silencing targets by adenosine-to-inosine editing of miRNAs. 2007, 315, 1137-40  RNA Silencing and Its Application in Functional Genomics. 2007, 291-332  From Rice to Other Cereals: Comparative Genomics. 2007, 429-479  MicroRNA gene expression during retinoic acid-induced differentiation of human acute promyelocytic leukemia. 2007, 26, 4148-57  Origin and evolution of human microRNAs from transposable elements. 2007, 176, 1323-37  Identification of virally encoded microRNAs. 2007, 427, 51-63  Robust machine learning algorithms predict microRNA genes and targets. 2007, 427, 25-49

967	Approaches for studying microRNA and small interfering RNA methylation in vitro and in vivo. <b>2007</b> , 427, 139-54	28
966	Dissecting microRNA-mediated gene regulation and function in T-cell development. <b>2007</b> , 427, 171-89	10
965	Analysis of small RNA profiles during development. <b>2007</b> , 427, 155-69	12
964	Rice Functional Genomics. 2007,	
963	Chromatin, gene silencing and HIV latency. <b>2007</b> , 8, 228	26
962	Altered retinal microRNA expression profile in a mouse model of retinitis pigmentosa. 2007, 8, R248	111
961	MicroRNA expression profiling of human breast cancer identifies new markers of tumor subtype. <b>2007</b> , 8, R214	742
960	A case study of the reproducibility of transcriptional reporter cell-based RNAi screens in Drosophila. <b>2007</b> , 8, R203	31
959	Computational and transcriptional evidence for microRNAs in the honey bee genome. 2007, 8, R97	74
958	Cloning and characterization of microRNAs from wheat (Triticum aestivum L.). 2007, 8, R96	292
957	Industrial Enzymes. <b>2007</b> ,	78
956	Circadian Rhythms. 2007,	11
955	Microarrays. 2007,	1
954	The micro RNA target paradigm: a fundamental and polymorphic control layer of cellular expression. <b>2007</b> , 7, 1387-99	24
953	Intronic microRNA: discovery and biological implications. <b>2007</b> , 26, 195-207	102
952	Stem Cell Assays. 2007,	1
951	Transient Receptor Potential (TRP) Channels. 2007,	16
950	Functional genomics of the chickena model organism. <b>2007</b> , 86, 2059-94	81

949	Host immune system gene targeting by a viral miRNA. <b>2007</b> , 317, 376-81	532
948	Regulation of Gene Expression in Plants. 2007,	3
947	Protocols for expression and functional analysis of viral microRNAs. 2007, 427, 229-43	4
946	miRBase: tools for microRNA genomics. <b>2008</b> , 36, D154-8	3326
945	MicroRNA-29 family reverts aberrant methylation in lung cancer by targeting DNA methyltransferases 3A and 3B. <b>2007</b> , 104, 15805-10	1385
944	Oncogenic All1 fusion proteins target Drosha-mediated microRNA processing. <b>2007</b> , 104, 10980-5	70
943	MicroRNAs play an essential role in the development of cardiac hypertrophy. 2007, 100, 416-24	657
942	Modulation of miR-155 and miR-125b levels following lipopolysaccharide/TNF-alpha stimulation and their possible roles in regulating the response to endotoxin shock. <b>2007</b> , 179, 5082-9	1091
941	Origin of phenotypes: genes and transcripts. <b>2007</b> , 17, 682-90	141
940	Cardiac hypertrophy: mechanisms and therapeutic opportunities. <b>2007</b> , 9, 623-52	82
939	Distributed, High-Performance and Grid Computing in Computational Biology. 2007,	2
938	Genome-scale microRNA and small interfering RNA screens identify small RNA modulators of TRAIL-induced apoptosis pathway. <b>2007</b> , 67, 10782-8	186
937	Artificial microRNA-mediated virus resistance in plants. <b>2007</b> , 81, 6690-9	282
936	Lentivirus-mediated antagomir expression for specific inhibition of miRNA function. <b>2007</b> , 35, e149	154
935	Noncoding miRNAs as key controllers of pancreatic Ecell functions. <b>2007</b> , 2, 461-468	
934	Evolution, biogenesis, expression, and target predictions of a substantially expanded set of Drosophila microRNAs. <b>2007</b> , 17, 1850-64	462
933	Roles of microRNAs and their targets in cancer. <b>2007</b> , 7, 1833-40	12
932	Technology Insight: small, noncoding RNA molecules as tools to study and treat endocrine diseases. <b>2007</b> , 3, 827-34	6

931	MicroRNAs as cancer players: potential clinical and biological effects. <b>2007</b> , 26, 273-82	56
930	Role of Dicer and Drosha for endothelial microRNA expression and angiogenesis. <b>2007</b> , 101, 59-68	662
929	Principles and limitations of computational microRNA gene and target finding. 2007, 26, 339-51	74
928	RNAi therapy for HIV infection: principles and practicalities. <b>2007</b> , 21, 17-22	22
927	MicroRNAs in the search for understanding human diseases. <b>2007</b> , 21, 97-104	97
926	Identification of 5' Pre-miRNAs and 3' Pre-miRNAs Employing Support Vector Machine and Local Structure Units. <b>2007</b> ,	
925	miRNA genetic alterations in human cancers. <b>2007</b> , 7, 1375-86	46
924	MicroRNA expression profiling in prostate cancer. <b>2007</b> , 67, 6130-5	757
923	The imprinted H19 noncoding RNA is a primary microRNA precursor. <b>2007</b> , 13, 313-6	465
922	Arabidopsis FIERY1, XRN2, and XRN3 are endogenous RNA silencing suppressors. <b>2007</b> , 19, 3451-61	221
921	Primer extension-based method for the generation of a siRNA/miRNA expression vector. <b>2007</b> , 31, 554-62	25
920	Genetic analysis reveals functional redundancy and the major target genes of the Arabidopsis miR159 family. <b>2007</b> , 104, 16371-6	243
919	Nucleases of the metallo-beta-lactamase family and their role in DNA and RNA metabolism. <b>2007</b> , 42, 67-93	98
918	The genetics of hereditary spastic paraplegia and implications for drug therapy. <b>2007</b> , 8, 1433-9	19
917	Finding Motifs in miRNA Sequences. <b>2007</b> ,	
916	RNA as a versatile and powerful platform for engineering genetic regulatory tools. <b>2007</b> , 24, 311-46	22
915	Requirement of bic/microRNA-155 for normal immune function. 2007, 316, 608-11	1584
914	ADAR editing wobbles the microRNA world. <b>2007</b> , 2, 217-20	18

913	Expression of viral microRNAs in Epstein-Barr virus-associated gastric carcinoma. 2007, 81, 1033-6	138
912	Patterns of known and novel small RNAs in human cervical cancer. <b>2007</b> , 67, 6031-43	386
911	Unique MicroRNA signature and clinical outcome of cancers. <b>2007</b> , 26, 283-92	43
910	miRNAs in cancer: approaches, aetiology, diagnostics and therapy. <b>2007</b> , 16 Spec No 1, R106-13	153
909	Immunology. Outwitted by viral RNAs. <b>2007</b> , 317, 329-30	10
908	MicroRNA (miRNA) transcriptome of mouse retina and identification of a sensory organ-specific miRNA cluster. <b>2007</b> , 282, 25053-66	374
907	miRNAMap 2.0: genomic maps of microRNAs in metazoan genomes. <b>2008</b> , 36, D165-9	215
906	MicroRNA expression pattern of undifferentiated and differentiated human embryonic stem cells. <b>2007</b> , 16, 1003-16	153
905	MicroRNAs in biological processes and carcinogenesis. <b>2007</b> , 28, 2-12	206
904	Research in Computational Molecular Biology. <b>2007</b> ,	1
904	Research in Computational Molecular Biology. 2007,  Mechanisms of Disease: biomarkers and molecular targets from microarray gene expression studies in prostate cancer. 2007, 4, 677-87	35
	Mechanisms of Disease: biomarkers and molecular targets from microarray gene expression studies	
903	Mechanisms of Disease: biomarkers and molecular targets from microarray gene expression studies in prostate cancer. <b>2007</b> , 4, 677-87  Genetic and epigenetic alterations as biomarkers for cancer detection, diagnosis and prognosis.	35
903	Mechanisms of Disease: biomarkers and molecular targets from microarray gene expression studies in prostate cancer. <b>2007</b> , 4, 677-87  Genetic and epigenetic alterations as biomarkers for cancer detection, diagnosis and prognosis. <b>2007</b> , 1, 26-41  Modification of miR gene expression pattern in human colon cancer cells following exposure to	35 134
903 902 901	Mechanisms of Disease: biomarkers and molecular targets from microarray gene expression studies in prostate cancer. 2007, 4, 677-87  Genetic and epigenetic alterations as biomarkers for cancer detection, diagnosis and prognosis. 2007, 1, 26-41  Modification of miR gene expression pattern in human colon cancer cells following exposure to 5-fluorouracil in vitro. 2007, 56, 248-53	35 134 144
903 902 901 900	Mechanisms of Disease: biomarkers and molecular targets from microarray gene expression studies in prostate cancer. 2007, 4, 677-87  Genetic and epigenetic alterations as biomarkers for cancer detection, diagnosis and prognosis. 2007, 1, 26-41  Modification of miR gene expression pattern in human colon cancer cells following exposure to 5-fluorouracil in vitro. 2007, 56, 248-53  Isolation of microRNA targets by miRNP immunopurification. 2007, 13, 1198-204	35 134 144 249
903 902 901 900 899	Mechanisms of Disease: biomarkers and molecular targets from microarray gene expression studies in prostate cancer. 2007, 4, 677-87  Genetic and epigenetic alterations as biomarkers for cancer detection, diagnosis and prognosis. 2007, 1, 26-41  Modification of miR gene expression pattern in human colon cancer cells following exposure to 5-fluorouracil in vitro. 2007, 56, 248-53  Isolation of microRNA targets by miRNP immunopurification. 2007, 13, 1198-204  The silent defense: micro-RNA directed defense against HIV-1 replication. 2007, 4, 26	35 134 144 249

895	MicroRNA detection and target prediction: integration of computational and experimental approaches. <b>2007</b> , 26, 321-37	80
894	In vitro and in vivo assays for the activity of Drosha complex. <b>2007</b> , 427, 89-106	33
893	Transcriptome Analysis of Plant Drought and Salt Stress Response. <b>2007</b> , 261-283	5
892	A comprehensive analysis of common copy-number variations in the human genome. <b>2007</b> , 80, 91-104	429
891	Computational identification and analysis of noncoding RNAs - Unearthing the buried treasures in the genorne. <b>2007</b> , 24, 64-74	11
890	The role of microRNA and other non-coding RNA in the pathogenesis of chronic lymphocytic leukemia. <b>2007</b> , 20, 425-37	79
889	Micro RNA profiling: an easy and rapid method to screen and characterize stem cell populations. <b>2007</b> , 407, 97-114	20
888	MicroRNA in cutaneous wound healing: a new paradigm. <b>2007</b> , 26, 227-37	88
887	Introduction Strategies in Drug Discovery and Evaluation. <b>2007,</b> 1-45	
886	Non-Coding RNA Bioinformatics. 343-368	
885	Emerging role for microRNAs in acute promyelocytic leukemia. <b>2007</b> , 313, 73-84	19
884	A microRNA signature of hypoxia. <b>2007</b> , 27, 1859-67	881
883	MicroRNAs in skeletal and cardiac muscle development. <b>2007</b> , 26, 219-25	136
882	microRNAs in vertebrate physiology and human disease. <b>2007</b> , 8, 215-39	363
881	Concepts on Microarray Design for Genome and Transcriptome Analyses. <b>2007</b> , 265-307	3
880	A microarray-based method to profile global microRNA expression in human and mouse. <b>2007</b> , 382, 137-48	2
879	A Mechanistic View of Troglitazone Hepatotoxicity. 299-311	
878	[RNAi and the formation of heterochromatin in Schizosaccharomyces pombe.]. 2007, 201, 401-10	

877	2, e203	234
876	Mammalian microRNA prediction through a support vector machine model of sequence and structure. <b>2007</b> , 2, e946	43
875	miRNA profiling of na⊠e, effector and memory CD8 T cells. <b>2007</b> , 2, e1020	387
874	Orthologous microRNA genes are located in cancer-associated genomic regions in human and mouse. <b>2007</b> , 2, e1133	32
873	RNA is an integral component of chromatin that contributes to its structural organization. 2007, 2, e1182	79
872	MicroRNA profiling: from dark matter to white matter, or identifying new players in neurobiology. <b>2007</b> , 7, 155-66	54
871	Mechanisms of maternal mRNA regulation: implications for mammalian early embryonic development. <b>2007</b> , 12, 3713-26	80
870	Identification and characterization of microRNAs expressed in the mouse eye. 2007, 48, 509-15	163
869	MicroRNAs in vertebrate synapse development. <b>2007</b> , 7, 167-77	21
868	Targeted Brain Tumor Treatment-Current Perspectives. <b>2007</b> , 2, 117739280700200	8
867	Gene silencing: concepts, applications, and perspectives in woody plants. 2007, 64, 645-656	14
866	Prediction and verification of miRNA expression in human and rat retinas. 2007, 48, 3962-7	68
865	Micro-RNAs as Oncogenes and Tumour Suppressors. 2007,	О
864	Delivery Systems for in Vivo use of Nucleic Acid Drugs. <b>2007</b> , 2, 117739280700200	1
863	Role of silencing in plant-virus interactions. <b>2007</b> , 42, 173-183	
862	[Interplay between HIV-1 replication and the microRNA-silencing pathway]. 2007, 23, 590-2	6
861	Kinases as Drug Targets in Inflammation: In Vitro and In Vivo Target Validation and Expression Profiling. <b>2007</b> , 6, 19-27	
860	Investigation of miRNA Biology by Bioinformatic Tools and Impact of miRNAs in Colorectal Cancer <b>R</b> egulatory Relationship of c-Myc and p53 with miRNAs. <b>2007</b> , 3, 117693510700300	10

859	MicroRNAs in the stem cells of the mouse blastocyst. 445-466	
858	Identification and potential function of viral microRNAs. 405-426	
857	EBV gene expression and regulation. 461-489	23
856	. 2007,	2
855	The microRNAs of C. elegans. 7-21	1
854	MicroRNAs and the regulation of leaf shape. 137-154	
853	Seeing is believing: strategies for studying microRNA expression. 42-57	
852	Identification of miRNAs in the plant Oryza sativa. 70-82	
851	Inhibition of translation initiation by a microRNA. 85-101	1
850	Computational prediction of microRNA targets in vertebrates, fruitflies and nematodes. 172-186	
849	Detection and quantitation of microRNAs using the RNA Invader assay. 242-254	
848	Real-time quantification of microRNAs by TaqMan assays. 269-282	
847	High throughput microRNAs profiling in cancers. 309-321	
846	Roles of microRNAs in cancer and development. 322-337	
845	miR-122 in mammalian liver. 338-349	1
844	miRNAs in TPA-induced differentiation of HL-60 cells. 380-391	
843	The role of miRNA in hematopoiesis. 467-475	
842	MicroRNA gene expression in malignant lymphoproliferative disorders. <b>2007</b> , 120, 996-999	9

841	Isolation of DNA aptamers for CDP-ribitol synthase, and characterization of their inhibitory and structural properties. <b>2007</b> , 8, 2052-7	8
840	Viral suppression of RNA silencing: 2b wins the Golden Fleece by defeating Argonaute. <b>2007</b> , 29, 319-23	22
839	Macrocyclic helix-threading peptides for targeting RNA. <b>2007</b> , 46, 7044-7	62
838	Macrocyclic Helix-Threading Peptides for Targeting RNA. <b>2007</b> , 119, 7174-7177	10
837	Inflammation and cancer: an ancient link with novel potentials. 2007, 121, 2373-80	778
836	MicroRNAs and cancer: profile, profile. <b>2008</b> , 122, 969-77	157
835	Identification of differentially expressed microRNAs by microarray: a possible role for microRNA genes in pituitary adenomas. <b>2007</b> , 210, 370-7	183
834	MicroRNAs and their regulatory roles in animals and plants. <b>2007</b> , 210, 279-89	436
833	Characterizing viral microRNAs and its application on identifying new microRNAs in viruses. <b>2007</b> , 211, 10-8	20
832	Small RNAs: regulators and guardians of the genome. <b>2007</b> , 213, 412-9	132
831	MiRNA expression analysis during normal zebrafish development and following inhibition of the Hedgehog and Notch signaling pathways. <b>2007</b> , 236, 2172-80	62
830	Genes involved in the RNA interference pathway are differentially expressed during sea urchin development. <b>2007</b> , 236, 3180-90	19
829	Genetic mechanisms involved in the phenotype of Down syndrome. <b>2007</b> , 13, 199-206	28
828	HBV-encoded microRNA candidate and its target. <b>2007</b> , 31, 124-6	57
827	Identification of specific sequence motifs in the upstream region of 242 human miRNA genes. <b>2007</b> , 31, 207-14	6
826	Direct labeling microRNA with an electrocatalytic moiety and its application in ultrasensitive microRNA assays. <b>2007</b> , 22, 933-40	78
825	Data mining of imperfect double-stranded RNA in 3' untranslated regions of eukaryotic mRNAs. <b>2007</b> , 24, 351-9	3
824	Expression and functional analyses of microRNA417 in Arabidopsis thaliana under stress conditions. <b>2007</b> , 45, 805-11	81

823	HIV-1 TAR element is processed by Dicer to yield a viral micro-RNA involved in chromatin remodeling of the viral LTR. <b>2007</b> , 8, 63	192
822	Androgen responsive intronic non-coding RNAs. <b>2007</b> , 5, 4	55
821	Assignment of protein function and discovery of novel nucleolar proteins based on automatic analysis of MEDLINE. <b>2007</b> , 7, 921-31	16
820	A large noncoding RNA is a marker for murine hepatocellular carcinomas and a spectrum of human carcinomas. <b>2007</b> , 26, 851-8	445
819	miR-21-mediated tumor growth. <b>2007</b> , 26, 2799-803	1310
818	Apoptosis induction by antisense oligonucleotides against miR-17-5p and miR-20a in lung cancers overexpressing miR-17-92. <b>2007</b> , 26, 6099-105	308
817	mir-29 regulates Mcl-1 protein expression and apoptosis. <b>2007</b> , 26, 6133-40	716
816	Specific microRNAs are downregulated in human thyroid anaplastic carcinomas. <b>2007</b> , 26, 7590-5	342
815	Large-scale identification of microRNAs from a basal eudicot (Eschscholzia californica) and conservation in flowering plants. <b>2007</b> , 51, 991-1003	73
814	An expression atlas of rice mRNAs and small RNAs. <b>2007</b> , 25, 473-7	230
814	An expression atlas of rice mRNAs and small RNAs. 2007, 25, 473-7  RNA interference against viruses: strike and counterstrike. 2007, 25, 1435-43	230
813	RNA interference against viruses: strike and counterstrike. <b>2007</b> , 25, 1435-43  Endogenous microRNA can be broadly exploited to regulate transgene expression according to	235
813	RNA interference against viruses: strike and counterstrike. <b>2007</b> , 25, 1435-43  Endogenous microRNA can be broadly exploited to regulate transgene expression according to tissue, lineage and differentiation state. <b>2007</b> , 25, 1457-67  MicroRNAs 17-5p-20a-106a control monocytopoiesis through AML1 targeting and M-CSF receptor	<sup>2</sup> 35
813 812 811	RNA interference against viruses: strike and counterstrike. 2007, 25, 1435-43  Endogenous microRNA can be broadly exploited to regulate transgene expression according to tissue, lineage and differentiation state. 2007, 25, 1457-67  MicroRNAs 17-5p-20a-106a control monocytopoiesis through AML1 targeting and M-CSF receptor upregulation. 2007, 9, 775-87	<sup>2</sup> 35
813 812 811	RNA interference against viruses: strike and counterstrike. 2007, 25, 1435-43  Endogenous microRNA can be broadly exploited to regulate transgene expression according to tissue, lineage and differentiation state. 2007, 25, 1457-67  MicroRNAs 17-5p-20a-106a control monocytopoiesis through AML1 targeting and M-CSF receptor upregulation. 2007, 9, 775-87  Two sides of the same coin. 2007, 39, 1425-6	235 472 371
813 812 811 810 809	RNA interference against viruses: strike and counterstrike. 2007, 25, 1435-43  Endogenous microRNA can be broadly exploited to regulate transgene expression according to tissue, lineage and differentiation state. 2007, 25, 1457-67  MicroRNAs 17-5p-20a-106a control monocytopoiesis through AML1 targeting and M-CSF receptor upregulation. 2007, 9, 775-87  Two sides of the same coin. 2007, 39, 1425-6  Impaired microRNA processing enhances cellular transformation and tumorigenesis. 2007, 39, 673-7	235 472 371 1235

805	microRNAs join the p53 networkanother piece in the tumour-suppression puzzle. <b>2007</b> , 7, 819-22	465
804	The evolution of gene regulation by transcription factors and microRNAs. 2007, 8, 93-103	1155
803	Genome-wide transcription and the implications for genomic organization. 2007, 8, 413-23	570
802	Specialization and evolution of endogenous small RNA pathways. <b>2007</b> , 8, 884-96	561
801	P bodies: at the crossroads of post-transcriptional pathways. <b>2007</b> , 8, 9-22	751
800	Illuminating the silence: understanding the structure and function of small RNAs. 2007, 8, 23-36	817
799	Exporting RNA from the nucleus to the cytoplasm. <b>2007</b> , 8, 761-73	567
798	Evolution of plant microRNA gene families. <b>2007</b> , 17, 212-8	129
797	Mutation screening of brain-expressed X-chromosomal miRNA genes in 464 patients with nonsyndromic X-linked mental retardation. <b>2007</b> , 15, 375-8	21
796	Processing of intronic microRNAs. <b>2007</b> , 26, 775-83	621
795	Role of Arabidopsis AGO6 in siRNA accumulation, DNA methylation and transcriptional gene silencing. <b>2007</b> , 26, 1691-701	237
794	RNA editing of the microRNA-151 precursor blocks cleavage by the Dicer-TRBP complex. <b>2007</b> , 8, 763-9	310
793	Beyond susceptibility. Behavioural genetics can advance our understanding of psychiatric disorders, but might not meet the expectations for new cures. <b>2007</b> , 8 Spec No, S3-6	1
792	Inhibition of HIV-1 replication with designed miRNAs expressed from RNA polymerase II promoters. <b>2007</b> , 14, 1503-12	29
791	Unraveling the complex regulation of stem cells: implications for aging and cancer. 2007, 21, 612-21	31
790	MicroRNA miR-181a correlates with morphological sub-class of acute myeloid leukaemia and the expression of its target genes in global genome-wide analysis. <b>2007</b> , 21, 912-6	189
789	Interstitial del(14)(q) involving IGH: a novel recurrent aberration in B-NHL. 2007, 21, 2079-83	35
788	Heme is involved in microRNA processing. <b>2007</b> , 14, 23-9	216

787	Two different Argonaute complexes are required for siRNA generation and heterochromatin assembly in fission yeast. <b>2007</b> , 14, 200-7	93
786	Mouse Piwi-interacting RNAs are 2'-O-methylated at their 3' termini. <b>2007</b> , 14, 347-8	203
7 <sup>8</sup> 5	The 3' termini of mouse Piwi-interacting RNAs are 2'-O-methylated. <b>2007</b> , 14, 349-50	170
7 <sup>8</sup> 4	Crystal structure of human DGCR8 core. <b>2007</b> , 14, 847-53	92
783	Structural features of small RNA precursors determine Argonaute loading in Caenorhabditis elegans. <b>2007</b> , 14, 927-33	65
782	Transcription and RNAi in heterochromatic gene silencing. <b>2007</b> , 14, 1041-8	190
781	Drosophila miR2 induces pseudo-polysomes and inhibits translation initiation. 2007, 447, 875-8	253
780	miRNAs control gene expression in the single-cell alga Chlamydomonas reinhardtii. <b>2007</b> , 447, 1126-9	411
779	A microRNA component of the p53 tumour suppressor network. <b>2007</b> , 447, 1130-4	2264
778	Intronic microRNA precursors that bypass Drosha processing. <b>2007</b> , 448, 83-6	1138
778 777	Intronic microRNA precursors that bypass Drosha processing. <b>2007</b> , 448, 83-6  A viral microRNA functions as an orthologue of cellular miR-155. <b>2007</b> , 450, 1096-9	1138 498
777	A viral microRNA functions as an orthologue of cellular miR-155. <b>2007</b> , 450, 1096-9	498
777 776	A viral microRNA functions as an orthologue of cellular miR-155. <b>2007</b> , 450, 1096-9  MicroRNA control of Nodal signalling. <b>2007</b> , 449, 183-8	498 168
777 776 775	A viral microRNA functions as an orthologue of cellular miR-155. <b>2007</b> , 450, 1096-9  MicroRNA control of Nodal signalling. <b>2007</b> , 449, 183-8  Tumour invasion and metastasis initiated by microRNA-10b in breast cancer. <b>2007</b> , 449, 682-8	498 168 2138
777 776 775	A viral microRNA functions as an orthologue of cellular miR-155. 2007, 450, 1096-9  MicroRNA control of Nodal signalling. 2007, 449, 183-8  Tumour invasion and metastasis initiated by microRNA-10b in breast cancer. 2007, 449, 682-8  Interferon modulation of cellular microRNAs as an antiviral mechanism. 2007, 449, 919-22  Discovery of functional elements in 12 Drosophila genomes using evolutionary signatures. 2007,	498 168 2138 740
777 776 775 774 773	A viral microRNA functions as an orthologue of cellular miR-155. 2007, 450, 1096-9  MicroRNA control of Nodal signalling. 2007, 449, 183-8  Tumour invasion and metastasis initiated by microRNA-10b in breast cancer. 2007, 449, 682-8  Interferon modulation of cellular microRNAs as an antiviral mechanism. 2007, 449, 919-22  Discovery of functional elements in 12 Drosophila genomes using evolutionary signatures. 2007, 450, 219-32	498 168 2138 740 506

769	Murine models of chronic lymphocytic leukaemia: role of microRNA-16 in the New Zealand Black mouse model. <b>2007</b> , 139, 645-57	48
768	MicroRNAs in the pathogeny of chronic lymphocytic leukaemia. <b>2007</b> , 139, 709-16	50
767	Identification of acute myeloid leukaemia associated microRNA expression patterns. 2008, 140, 153-61	65
766	MicroRNAs in the broken heart. <b>2007</b> , 37, 829-33	20
765	The role of microRNAs in sensing nutrient stress. <b>2007</b> , 30, 323-332	186
764	ABA induction of miR159 controls transcript levels of two MYB factors during Arabidopsis seed germination. <b>2007</b> , 49, 592-606	567
763	The miRNA156/157 recognition element in the 3' UTR of the Arabidopsis SBP box gene SPL3 prevents early flowering by translational inhibition in seedlings. <b>2007</b> , 49, 683-93	432
762	Chitosan/Hyaluronic Acid/MicroRNA-21 Nanoparticle-Coated Smooth Titanium Surfaces Promote the Functionality of Human Gingival Fibroblasts. Volume 17, 3793-3807	O
761	Expression patterns of serum MicroRNAs related to endothelial dysfunction in patients with subclinical hypothyroidism. 13,	О
760	The role of microRNAs in neurodegenerative diseases: a review.	1
759	Multi-disciplinary team directed analysis of whole genome sequencing reveals pathogenic non-coding variants in molecularly undiagnosed inherited retinal dystrophies.	О
758	Circulating microRNA-141 as a Biomarker for Prostate Cancer: A Systematic Review and Meta-Analysis. <b>2022</b> , 2022, 1	O
757	siRNA-mediated gene knockdown via electroporation in hydrozoan jellyfish embryos. 2022, 12,	0
756	MiR-223 and MiR-186 Are Associated with Long-Term Mortality after Myocardial Infarction. <b>2022</b> , 12, 1243	2
755	ZFP36 Inhibits Tumor Progression of Human Prostate Cancer by Targeting CDK6 and Oxidative Stress. <b>2022</b> , 2022, 1-24	О
754	LINC00536 knockdown inhibits breast cancer cells proliferation, invasion, and migration through regulation of the miR -4282/centromere protein F axis.	Ο
753	Mining of Potential Biomarkers and Pathway in Valvular Atrial Fibrillation (VAF) via Systematic Screening of Gene Coexpression Network. <b>2022</b> , 2022, 1-21	О
75 <sup>2</sup>	Identification of neoplasm-specific signatures of miRNA interactions by employing a systems biology approach. 10, e14149	O

75 <sup>1</sup>	Glutathione imparts stress tolerance against Alternaria brassicicola infection via miRNA mediated gene regulation. <b>2022</b> , 17,	О
75 <sup>0</sup>	Sensing miRNAs for Disease Diagnostics.	O
749	Integrated miRNA, target mRNA, and metabolome profiling of Tinospora cordifolia with reference to berberine biosynthesis. <b>2022</b> , 12,	0
748	Perioperative stress prolong post-surgical pain via miR-339-5p targeting oprm1 in the amygdala. <b>2022</b> , 35, 423-432	O
747	miR-275/305 cluster is essential for maintaining energy metabolic homeostasis by the insulin signaling pathway in Bactrocera dorsalis. <b>2022</b> , 18, e1010418	O
746	A genome-wide landscape of mRNAs, lncRNAs, circRNAs and miRNAs during intramuscular adipogenesis in cattle. <b>2022</b> , 23,	1
745	Non-canonical miRNA-RNA base-pairing impedes tumor suppressor activity of miR-16. <b>2022</b> , 5, e202201643	1
744	Knockdown of circ_0038467 alleviates lipopolysaccharides-induced 16HBE cell injury by regulating the miR-545-3p/TRAF1 axis in neonatal pneumonia. <b>2022</b> , 105819	O
743	Size-Controllable and Self-Assembled DNA Nanosphere for Amplified MicroRNA Imaging through ATP-Fueled Cyclic Dissociation.	0
742	Modulatory role of miRNAs in thyroid and breast cancer progression and insights into their therapeutic manipulation. <b>2022</b> , 100131	2
741	Pathogenic Mechanisms in Acute Myeloid Leukemia.	O
740	AuNPs and 2D functional nanomaterial-assisted SPR development for the cancer detection: a critical review. <b>2022</b> , 13,	O
739	Identification of microRNAs responsive to arbuscular mycorrhizal fungi in Panicum virgatum (switchgrass). <b>2022</b> , 23,	O
738	Exosomes in the tumor microenvironment: Promoting cancer progression. 13,	O
737	Harnessing tumorous flaws for immune supremacy: is miRNA-155 the weak link in breast cancer progression?. <b>2022</b> , 132,	2
736	Genome-Wide Identification, Characterization, and Expression Profiling of Eukaryotic-Specific UBP Family Genes in Brassica rapa.	O
735	An Ultrasensitive Electrochemical Biosensor Integrated by Nicking Endonuclease-Assisted Primer Exchange Reaction Cascade Amplification and DNA Nanosphere-Mediated Electrochemical Signal-Enhanced System for MicroRNA Detection.	1
734	Liver transcriptomics reveals microRNA features of the host response in a mouse model of dengue virus infection. <b>2022</b> , 150, 106057	O

733	Role of hypoxia on microRNA-dependant regulation of HGFA [HGF [£-Met signalling pathway in human progenitor and mature endothelial cells. <b>2022</b> , 152, 106310	О
732	Enzyme-free and isothermal discrimination of microRNA point mutations using a DNA split proximity circuit with turn-on fluorescence readout. <b>2022</b> , 217, 114727	O
731	Circulating MicroRNA-122-5p Is Associated With a Lack of Improvement in Left Ventricular Function After Transcatheter Aortic Valve Replacement and Regulates Viability of Cardiomyocytes Through Extracellular Vesicles. <b>2022</b> , 146, 1836-1854	2
730	Long noncoding RNA PPP1R14B-AS1 imitates microRNA-134-3p to facilitate breast cancer progression by upregulating LIM and SH3 protein 1. <b>2021</b> , 29, 251-262	Ο
729	Epigenetics and the Extreme Stress Response. <b>2022</b> , 177-213	Ο
728	Genomic Designing for Abiotic Stress Resistance in Mulberry (Morus spp.). <b>2022</b> , 157-244	Ο
727	Prediction of Post-Stroke Cognitive Impairment by Serum miR-124, miR-132, miR-134. <b>2022</b> , 12, 9050-9058	Ο
726	Therapeutic Potential of miRNAs for Type 2 Diabetes Mellitus: An Overview. <b>2022</b> , 15, 251686572211300	1
725	BrumiR: A toolkit for de novo discovery of microRNAs from sRNA-seq data. <b>2022</b> , 11,	1
724	Recent Progress in Brassica Hybrid Breeding. <b>2022</b> , 195-219	Ο
723	LncRNA XIST stimulates papillary thyroid cancer development through the miR-330-3p/PDE5A axis. <b>2022</b> ,	0
722	Identifying common signatures and potential therapeutic biomarkers in COPD and lung cancer using miRNA-mRNA co-expression networks. <b>2022</b> , 34, 101115	O
721	Circulating MicroRNA (miRNA)s as Biological Markers and Links with Obesity and Obesity-Related Morbid Conditions. <b>2022</b> , 495-516	0
720	MiR-135a-5p suppresses breast cancer cell proliferation, migration, and invasion by regulating BAG3. <b>2022</b> , 77, 100115	O
719	Microcystin-LR in Primary Liver Cancers: An Overview. <b>2022</b> , 14, 715	1
718	The anticancer effects of curcumin and clinical research progress on its effects on esophageal cancer. 13,	2
717	miRNA-Mediated Epigenetic Regulation of Treatment Response in RA Patients Systematic Review. <b>2022</b> , 23, 12989	1
716	Rolling circle amplification (RCA) -based biosensor system for the fluorescent detection of miR-129-2-3p miRNA. 10, e14257	Ο

715	Bioinformatics analysis constructs potential ferroptosis-related ceRNA network involved in the formation of intracranial aneurysm. 16,	0
714	Immune regulation and emerging roles of noncoding RNAs in Mycobacterium tuberculosis infection. 13,	О
713	Genetic Polymorphisms Associated with Prothrombin Time and Activated Partial Thromboplastin Time in Chinese Healthy Population. <b>2022</b> , 13, 1867	0
712	Role of Long non-coding RNAs in Human Induced Pluripotent Stem Cells derived Megakaryocytes: A p53, HOTAIRM1 and miR-125b interaction study. JPET-AR-2022-001095	O
711	Systematic Review of the Diagnostic and Clinical Utility of Salivary microRNAs in Traumatic Brain Injury (TBI). <b>2022</b> , 23, 13160	2
710	RNA sequencing identifies an ovary-enriched microRNA, miR-311-3p, involved in ovarian development and fecundity by targeting Endophilin B1 in Bactrocera dorsalis.	1
709	Polymorphism rs7079 in miR-31/-584 Binding Site in Angiotensinogen Gene Associates with Earlier Onset of Coronary Artery Disease in Central European Population. <b>2022</b> , 13, 1981	0
708	The Importance of MicroRNA Expression in Pseudoexfoliation Syndrome. <b>2022</b> , 23, 13234	O
707	Noncoding RNAs Emerging as Drugs or Drug Targets: Their Chemical Modification, Bio-Conjugation and Intracellular Regulation. <b>2022</b> , 27, 6717	1
706	Gastric cancer-derived exosomal miR-519a-3p promotes liver metastasis by inducing intrahepatic M2-like macrophage-mediated angiogenesis. <b>2022</b> , 41,	1
705	Increased Serum Levels of miR-125b and miR-132 in Fragile X Syndrome. <b>2022</b> , 8, e200024	O
704	The miR-182-5p/NDRG1 Axis Controls Endometrial Receptivity through the NF- <b>B</b> /ZEB1/E-Cadherin Pathway. <b>2022</b> , 23, 12303	O
703	MicroRNA and mRNA Expression Changes in Glioblastoma Cells Cultivated under Conditions of Neurosphere Formation. <b>2022</b> , 44, 5294-5311	О
702	Miniature inverted-repeat transposable elements drive rapid microRNA diversification in angiosperms.	1
701	miR-125-3p and miR-276b-3p Regulate the Spermatogenesis of Bactrocera dorsalis by Targeting the orb2 Gene. <b>2022</b> , 13, 1861	1
700	Dynamic Analysis of microRNAs from Different Life Stages of Rhipicephalus microplus (Acari: Ixodidae) by High-Throughput Sequencing. <b>2022</b> , 11, 1148	О
699	MicroRNA-150 (miR-150) and Diabetic Retinopathy: Is miR-150 Only a Biomarker or Does It Contribute to Disease Progression?. <b>2022</b> , 23, 12099	1
698	Expression Profile of microRNAs during Development of the Hypopharyngeal Gland in Honey Bee, Apis mellifera. <b>2022</b> , 23, 12970	O

697	MicroRNA-146b-5p suppresses pro-inflammatory mediator synthesis via targeting of TRAF6, IRAK1, and RELA in lipopolysaccharide-stimulated human dental pulp cells.	0
696	Extracellular Vesicles as Delivery Vehicles for Therapeutic Nucleic Acids in Cancer Gene Therapy: Progress and Challenges. <b>2022</b> , 14, 2236	4
695	Bta-miR-33a affects gene expression and lipid levels in Chinese Holstein mammary epithelial cells. <b>2022</b> , 65, 357-370	0
694	Identification of novel microRNAs associated with type 2 diabetes by an integrative bioinformatic analysis. <b>2022</b> , 201125	O
693	A functionalized collagen-I scaffold delivers microRNA 21-loaded exosomes for spinal cord injury repair. <b>2022</b> ,	0
692	microRNA Biology on Brain Development and Neuroimaging Approach. 2022, 12, 1366	O
691	Bta-miR-6531 Regulates Calcium Influx in Bovine Leydig Cells and Is Associated with Sperm Motility. <b>2022</b> , 13, 1788	0
690	MiR-93-5p promotes granulosa cell apoptosis and ferroptosis by the NF-kB signaling pathway in polycystic ovary syndrome. 13,	O
689	miR-183/96/182 Cluster Regulates the Development of Bovine Myoblasts through Targeting FoxO1. <b>2022</b> , 12, 2799	0
688	miRNome-transcriptome analysis unveils the key regulatory pathways involved in the tumorigenesis of tongue squamous cell carcinoma.	O
687	miRNA-485 Regulates Th17 Generation and Pathogenesis in Experimental Autoimmune Encephalomyelitis through Targeting STAT3.	0
686	Specific miRNAs associated with treatment response during hospitalization for suicidal ideation.	1
685	Endothelial Progenitor-Derived exosomes Induce Macrophage M2 Polarization via SOCS3/JAK2/STAT3 axis and Improve the Outcome of Spinal Cord Injury.	0
684	Alterations of the expression levels of glucose, inflammation, and iron metabolism related miRNAs and their target genes in the hypothalamus of STZ-induced rat diabetes model. <b>2022</b> , 14,	O
683	Up-regulation of miR-133a-3p promotes ovary insulin resistance on granulosa cells of obese PCOS patients via inhibiting PI3K/AKT signaling. <b>2022</b> , 22,	O
682	Harnessing genetic resistance to rusts in wheat and integrated rust management methods to develop more durable resistant cultivars. 13,	1
681	Garmultin-A Incites Apoptosis in CB3 Cells Through miR-17-5p by Attenuating Poly (ADP-Ribose) Polymerase-1. <b>2022</b> , 20, 155932582211306	0
680	Integrated Bioinformatics Analysis Reveals Novel miRNA as Biomarkers Associated with Preeclampsia. <b>2022</b> , 13, 1781	O

679	RNAInterference in Experimental Animal Models: Its Application in Cancer Research and Therapy. <b>2023</b> , 1-18	О
678	miRNAs: The Key Regulator of COVID-19 Disease. <b>2022</b> , 2022, 1-19	1
677	Axon Guidance Molecules and Pain. <b>2022</b> , 11, 3143	1
676	Circulating extracellular vesicle-containing microRNAs reveal potential pathogenesis of Alzheimer disease. 16,	O
675	MicroRNA-92a-3p Regulates Retinal Angiogenesis by Targeting SGK3 in Vascular Endothelial Cells. <b>2022</b> , 63, 19	1
674	The salivary exosomal microRNA as a potential biomarker in patients with periodontitis and oral cancers.	O
673	Functional genomics of cattle through integration of multi-omics data.	О
672	Plasma exosomal miR-199a-3p downregulates cell proliferation and migration in Hirschsprung disease by targeting mTOR.	O
671	Mesenchymal Stem Cell-Derived Extracellular Vesicles for Therapeutic Use and in Bioengineering Applications. <b>2022</b> , 11, 3366	1
670	miRNAs in anti-cancer drug resistance of non-small cell lung cancer: Recent advances and future potential. 13,	O
669	Transcriptomic analysis of the human placenta reveals trophoblast dysfunction and augmented Wnt signalling associated with spontaneous preterm birth. 10,	0
668	Cromileptes altivelis microRNA Transcriptome Analysis upon Nervous Necrosis Virus (NNV) Infection and the Effect of cal-miR-155 on Cells Apoptosis and Virus Replication. <b>2022</b> , 14, 2184	O
667	Epigenetic Modulation of Opioid Receptors by Drugs of Abuse. <b>2022</b> , 23, 11804	О
666	Effects of let-7a microRNA and CII chemokine receptor type 7 expression on cellular function and prognosis in esophageal squamous cell carcinoma. <b>2022</b> , 22,	O
665	Identification of plant-derived microRNAs in human kidney.	О
664	NeRD: a multichannel neural network to predict cellular response of drugs by integrating multidimensional data. <b>2022</b> , 20,	O
663	RNA binding proteins in MLL-rearranged leukemia. <b>2022</b> , 11,	О
662	Genetically Encoded Light-Up RNA Amplifier Dissecting MicroRNA Activity in Live Cells.	O

661	Saliva 🖪 new opportunity for fluid biopsy. <b>2022</b> ,	2
660	Small RNA Analyses of a Ceratobasidium Isolate Infected with Three Endornaviruses. <b>2022</b> , 14, 2276	1
659	Cell cycle associated miRNAs as target and therapeutics in lung cancer treatment. 2022, 8, e11081	1
658	miR-212-5p protects the brain against ischemic damage in rats and its function is regulated by the lncfos/miR-212-5p/CASP7 axis.	O
657	Effect of positive pressure ventilation and bariatric surgery on extracellular vesicle microRNAs in patients with severe obesity and obstructive sleep apnea.	O
656	Analysis of Rare Alleles of miRNA-146a (rs2910164) and miRNA-34b/c (rs4938723) as a Prognostic Marker in Thyroid Cancer in Pakistani Population. <b>2022</b> , 12, 2495	O
655	Roles of follistatin-like protein 3 in human non-tumor pathophysiologies and cancers. 10,	O
654	Identification and Characterization of microRNAs in the Gonads of Litopenaeus vannamei Using High-Throughput Sequencing. <b>2022</b> , 7, 308	O
653	Comparative transcriptome and proteome analyses of the longissimus dorsi muscle for explaining the difference between donkey meat and other meats. 1-14	O
652	MicroRNA binding site variation is enriched in psychiatric disorders.	O
651	miR-182-5p Delivered by Plasma Exosomes Promotes Sevoflurane-Induced Neuroinflammation and Cognitive Dysfunction in Aged Rats with Postoperative Cognitive Dysfunction by Targeting Brain-Derived Neurotrophic Factor and Activating NF-B Pathway.	О
650	Identification of Low-Nitrogen-Related miRNAs and Their Target Genes in Sugarcane and the Role of miR156 in Nitrogen Assimilation. <b>2022</b> , 23, 13187	O
649	Computational model for ncRNA research.	O
648	The Emerging Role of Extracellular Vesicles from Mesenchymal Stem Cells and Macrophages in Pulmonary Fibrosis: Insights into miRNA Delivery. <b>2022</b> , 15, 1276	1
647	Highly Selective FRET-Aided Single-Molecule Counting of MicroRNAs Labeled by Splinted Ligation.	O
646	Diagnostic and Predictive Value of Liquid Biopsy-derived Exosome miR-21 for Breast Cancer: A Meta-analysis.	O
645	Blood transcriptome analysis revealed the crosstalk between COVID-19 and HIV. 13,	O
644	Effect of Shuangdan Mingmu Capsule on Diabetic Retinopathy in Rats via Regulation of miRNAs. Volume 15, 3181-3194	O

643	In silico analysis of key regulatory networks related to microfibril angle in Populus trichocarpa Hook	O
642	Mahonia Alkaloids (MA) Ameliorate Depression Induced Gap Junction Dysfunction by miR-205/Cx43 Axis.	О
641	Mechanisms of exercise for diabetic neuropathic pain. 14,	0
640	Mechanisms of AGO4 slicing-enhanced RNA-directed DNA methylation.	O
639	MiR-27a-3p and miR-30b-5p inhibited-vitamin D receptor involved in the progression of tuberculosis. 13,	0
638	Ectopic circSTK39 expression ameliorates hydrogen peroxide-induced human lens epithelial cell apoptosis and oxidative stress through the miR-125a-5p/ERCC6 pathway. 1-26	О
637	Multiple MicroRNAs are Involved in Regulating Peanut (Arachis hypogaea L.) Resistance to Sclerotium rolfsii at the Early Stage.	o
636	Circulating MicroRNAs as Noninvasive Diagnostic and Prognostic Biomarkers in Pancreatic Cancer: A Review.	О
635	Analysis of Homologous Regions of Small RNAs MIR397 and MIR408 Reveals the Conservation of Microsynteny among Rice Crop-Wild Relatives. <b>2022</b> , 11, 3461	3
634	Microneedle Array Encapsulated with Programmed DNA Hydrogels for Rapidly Sampling and Sensitively Sensing of Specific MicroRNA in Dermal Interstitial Fluid.	2
633	The Role of miR-155 in Antitumor Immunity. <b>2022</b> , 14, 5414	1
632	Dual-detection of miRNAs in Living Cells via Hybridization Chain Reaction on DNA Tetrahedron. <b>2022</b> , 132955	О
631	Changes in subcutaneous adipose tissue microRNA expression in response to exercise training in obese African women. <b>2022</b> , 12,	O
630	Regulating Function of miR-146a Derived from Bone Marrow Mesenchymal Stem Cell (BMSC) in Acute Lung Injury. <b>2022</b> , 12, 2300-2306	О
629	Effect in Human Gene Regulation of Food-Derived Plant miRNAs.	O
628	MicroRNAs: Small molecules with big impacts in liver injury.	О
627	Screening of Brown Planthopper Resistant miRNAs in Rice and Their Roles in Regulation of Brown Planthopper Fecundity. <b>2022</b> , 29, 559-568	O
626	Modulation of non-coding RNAs by natural compounds as a potential therapeutical approach in oral cancer: A comprehensive review. <b>2022</b> , 239, 154166	О

625	Simple and sensitive detection of microRNA based on guanine-rich DNA-enhanced fluorescence of DNA-templated silver clusters. <b>2022</b> , 124065	O
624	Amorfrutin B Protects Mouse Brain Neurons from Hypoxia/Ischemia by Inhibiting Apoptosis and Autophagy Processes Through Gene Methylation- and miRNA-Dependent Regulation.	O
623	FOXK2 transcription factor and its roles in tumorigenesis (Review). <b>2022</b> , 24,	O
622	Current Diagnostic Methods and Non-Coding RNAs as Possible Biomarkers in Huntington Disease. <b>2022</b> , 13, 2017	O
621	MicroRNA-874 targets phosphomevalonate kinase and inhibits cancer cell growth via the mevalonate pathway. <b>2022</b> , 12,	О
620	MicroRNA analysis in maternal blood of pregnancies with preterm premature rupture of membranes reveals a distinct expression profile. <b>2022</b> , 17, e0277098	O
619	Exosomal microRNAs mediating crosstalk between cancer cells and cancer-associated fibroblasts in the tumor microenvironment. <b>2022</b> , 239, 154159	O
618	miR-1322 protects against the myocardial ischemia via LRP8/PI3K/AKT pathway. <b>2022</b> ,	O
617	Mobile device integrated graphene oxide quantum dots based electrochemical biosensor design for detection of miR-141 as a pancreatic cancer biomarker. <b>2022</b> , 435, 141390	1
616	Upregulation of miR-22-3p contributes to plumbagin-mediated inhibition of Wnt signaling in human colorectal cancer cells. <b>2022</b> , 368, 110224	O
615	The association between microRNA polymorphisms and the risk of childhood acute lymphoblastic leukemia: A meta-analysis. <b>2022</b> , 81, 102285	Ο
614	Signature of circulating small non-coding RNAs during early fracture healing in mice. <b>2022</b> , 17, 101627	O
613	Targeting epigenetics as a promising therapeutic strategy for treatment of neurodegenerative diseases. <b>2022</b> , 206, 115295	0
612	Transcriptomics to devise human health and disease. <b>2023</b> , 397-417	O
611	A functional variant in the RAD51 3? UTR is associated with survival of hepatocellular carcinoma patients. <b>2023</b> , 851, 146964	0
610	Role of genetic engineering in improving potato production. <b>2023</b> , 303-315	O
609	Skeletal Muscle <b>E</b> xtricated Extracellular Vesicles: Facilitators of Repair and Regeneration. <b>2022</b> , 1097-1121	О
608	Circulating MicroRNAs as Cancer Biomarkers in Liquid Biopsies. <b>2022</b> , 23-73	O

607	Potato Population Genomics. 2022,	0
606	Functional Engineering of Synthetic RNA Through Circularization. <b>2022</b> , 1-48	O
605	The Emerging Pro-Algesic Profile of Transient Receptor Potential Vanilloid Type 4. 2022,	О
604	Machine Learning Using Gene-Sets to Infer miRNA Function. <b>2022</b> , 229-240	O
603	ClustMMRA v2: A Scalable Computational Pipeline for the Identification of MicroRNA Clusters Acting Cooperatively on Tumor Molecular Subgroups. <b>2022</b> , 259-279	О
602	The Role of MicroRNAs in Cancer Biology and Therapy from a Systems Biology Perspective. <b>2022</b> , 1-22	О
601	In situ growth of metal-organic layer on ultrathin Ti3C2T MXene nanosheet boosting fast electron/ion transport for electrochemiluminescence enhancement. <b>2023</b> , 220, 114886	О
600	Non-invasive diagnosis of endometriosis: Immunologic and genetic markers. <b>2023</b> , 538, 70-86	1
599	The prediction of molecular functions for three novel miRNAs in esophageal squamous cell carcinoma. <b>2019</b> , 36, 347-353	О
598	DECIPHERING THE ROLE OF EXPERIMENTALLY VALIDATED NICOTIANA TABACUM (TOBACCO) MIRNAS IN HUMAN HEALTH (A COMPUTATIONAL GENOMICS ASSESSMENT. 821-836	O
597	Gene regulation in animal miRNA biogenesis. <b>2022</b> , 14, 1197-1212	О
596	Epigenetic regulation in myocardial infarction: Non-coding RNAs and exosomal non-coding RNAs. 9,	1
595	The Role of Cluster C19MC in Pre-Eclampsia Development. <b>2022</b> , 23, 13836	O
594	LncRNA PVT1 Promotes Neuronal Cell Apoptosis and Neuroinflammation by Regulating miR-488-3p/FOXD3/SCN2A Axis in Epilepsy.	O
593	Tumor-derived miRNAs as tumor microenvironment regulators for synergistic therapeutic options.	0
592	LncRNA DUXAP8 induces breast cancer radioresistance by modulating the PI3K/AKT/mTOR pathway and the EZH2-E-cadherin/RHOB pathway. <b>2022</b> , 23, 1-13	O
591	SPCMLMI: A structural perturbation-based matrix completion method to predict lncRNAthiRNA interactions. 13,	О
590	RNA biomarkers for alcohol use disorder. 15,	О

589	Systems Drug Design for Muscle Invasive Bladder Cancer and Advanced Bladder Cancer by Genome-Wide Microarray Data and Deep Learning Method with Drug Design Specifications. <b>2022</b> , 23, 13869	О
588	DNA-Encoded Library Screening To Inform Design of a Ribonuclease Targeting Chimera (RiboTAC).	1
587	Non-coding RNAs: The link between maternal malnutrition and offspring metabolism. 9,	O
586	Advances in studies of circulating microRNAs: origination, transportation, and distal target regulation.	О
585	MicroRNAs in Cancer and Cardiovascular Disease. <b>2022</b> , 11, 3551	O
584	Effects of microRNA-mediated negative feedback on gene expression noise.	o
583	An atlas of genetic regulation and disease associations of microRNAs.	0
582	Genome-Wide Analysis of SQUAMOSA-Promoter-Binding Protein-like Family in Flowering Pleioblastus pygmaeus. <b>2022</b> , 23, 14035	О
581	Rodent Models of Audiogenic Epilepsy: Genetic Aspects, Advantages, Current Problems and Perspectives. <b>2022</b> , 10, 2934	0
580	DAESTB: inferring associations of small moleculethiRNA via a scalable tree boosting model based on deep autoencoder.	O
579	Anti-hsa-miR -59 alleviates premature senescence associated with Hutchinson-Gilford progeria syndrome in mice.	0
578	miR-146a and miR-200b alter cognition by targeting NMDA receptor subunits. <b>2022</b> , 105515	O
577	LncRNA MIR144HG-derived miR-144 suppresses antibacterial signaling and facilitates bacteria escape in fish. <b>2022</b> , 100093	O
576	Relationship between miRNA and ferroptosis in tumors. 13,	o
575	Regulation of Cholesterol Metabolism by Phytochemicals Derived from Algae and Edible Mushrooms in Non-Alcoholic Fatty Liver Disease. <b>2022</b> , 23, 13667	0
574	Identification and functional analysis of miR156 family and its target genes in foxtail millet (Setaria italica).	O
573	The miR-124-AMPAR pathway connects polygenic risks with behavioral changes shared between schizophrenia and bipolar disorder. <b>2022</b> ,	0
572	RasGRP1 promotes the acute inflammatory response and restricts inflammation-associated cancer cell growth. <b>2022</b> , 13,	o

571	CDX-301 prevents radiation-induced dysregulation of miRNA expression and biogenesis. 2022,	О
570	Tenascin-C: A Key Regulator in Angiogenesis during Wound Healing. <b>2022</b> , 12, 1689	O
569	The miR-146a-5p and miR-125b-5p levels as biomarkers for early prediction of Alzheimer's disease. <b>2022</b> , 201129	0
568	A novel regulatory facet for hypertriglyceridemia: The role of microRNAs in the regulation of triglyceride-rich lipoprotein biosynthesis. <b>2022</b> , 101197	O
567	Bioinformatics analysis of miRNAs in the neuroblastoma 11q-deleted region reveals a role of miR-548l in both 11q-deleted and MYCN amplified tumour cells. <b>2022</b> , 12,	0
566	Elevated plasma miR -210 expression is associated with atypical genitalia in patients with 46, XY differences in sex development.	O
565	An atlas of genetic regulation and disease associations of microRNAs.	0
564	miRNAlhRNAprotein dysregulated network in COPD in women. 13,	O
563	Nucleic Acid Hybridization Enhanced Luminescence for Rapid and Sensitive RNA and DNA Based Diagnostics.	0
562	Identification of the Differential Expression Profile of miRNAs in Longissimus dorsi Muscle of Dazu Black Goat. <b>2022</b> , 58, 1385-1392	O
561	RNA methyltransferase NSun2 deficiency promotes neurodegeneration through epitranscriptomic regulation of tau phosphorylation.	0
560	Salinity stress alters the expression patterns of novel miR -2008 and its target gene PLEKHA3 in the sea cucumber Apostichopus japonicus.	O
559	Modulation of MicroRNA Expression During In Vitro Chondrogenesis. 2023, 197-215	0
558	Circulating miR-326 could serve as a predictive biomarker for response to neoadjuvant chemotherapy in locally advanced cervical cancer. 12,	O
557	The Potential of MicroRNAs as Non-Invasive Prostate Cancer Biomarkers: A Systematic Literature Review Based on a Machine Learning Approach. <b>2022</b> , 14, 5418	1
556	Circular RNA circ_0004488 Increases Cervical Cancer Paclitaxel Resistance via the miR-136/MEX3C Signaling Pathway. <b>2022</b> , 2022, 1-17	O
555	Intracranial delivery of antisense locked nucleic acids for silencing microRNAs in the mouse brain. <b>2022</b> , 3, 101836	0
554	The diagnostic, prognostic role and molecular mechanism of miR-328 in human cancer. <b>2023</b> , 157, 114031	O

553	MicroRNA -205-5p: A potential therapeutic target for influenza A.	0
552	Bioinformatics-based study reveals that AP2M1 is regulated by the circRNA-miRNA-mRNA interaction network and affects Alzheimer⊠ disease. 13,	О
551	Profiling of microRNA from skeletal muscle of Bandur sheep using RNA sequencing. 2022, 90, 1115-1119	О
550	Apparent Mineralocorticoid Excess. <b>2022</b> , 1-34	O
549	MetalBrganic frameworks-based biosensor for microRNA detection in prostate cancer cell lines. <b>2022</b> , 12, 34910-34920	0
548	A duplex-specific nuclease (DSN) and catalytic hairpin assembly (CHA)-mediated dual amplification method for miR-146b detection.	O
547	Nucleic acid-based artificial nanocarriers for gene therapy.	1
546	Wounds under diabetic milieu: The role of immune cellar components and signaling pathways. <b>2023</b> , 157, 114052	О
545	Regulation of non-coding RNA promoters. <b>2023</b> , 53-76	0
544	Amphiphilic phosphorous dendron micelles co-deliver microRNA inhibitor and doxorubicin for augmented triple negative breast cancer therapy.	O
543	Assessment of the relationships between IL-17A polymorphisms and the risk to acute lymphoblastic leukemia in Saudi population. <b>2023</b> , 35, 102493	0
542	miR-193-5p negatively regulates PIK3CD to promote crop fibrocyte proliferation in pigeon (Columba livia). <b>2023</b> , 102, 102378	O
541	Osteoclast-derived extracellular miR-106a-5p promotes osteogenic differentiation and facilitates bone defect healing. <b>2023</b> , 102, 110549	0
540	Dual nucleases-assisted cyclic amplification using polydopamine nanospheres-based biosensors for one-pot detection of microRNAs. <b>2023</b> , 222, 114957	2
539	CiRS-187 regulates BMPR2 expression by targeting miR-187 in bovine cumulus cells treated with BMP15 and GDF9. <b>2023</b> , 197, 62-70	0
538	The long and short: Non-coding RNAs in the mammalian inner ear. <b>2023</b> , 428, 108666	O
537	Comparative phylogenomic analysis of 5th-regulatory elements (CREs) of miR160 gene family in diploid and allopolyploid cotton (Gossypium). <b>2023</b> , 30, 101721	0
536	miR-96 and its versatile role in cancer. <b>2023</b> , 7, 100082	О

535	SaffronOMICS: Novel Approaches Toward Putting Saffron Data at Work. <b>2022</b> , 43-62	0
534	MiR-423-5p Inhibition Exerts Protective Effects on Angiotensin II-Induced Cardiomyocyte Hypertrophy. <b>2022</b> ,	O
533	Integrative Analysis of miRNA-mRNA Expression Data to Identify miRNA-Targets for Oral Cancer. <b>2022</b> , 24-32	0
532	The state of Sergipe contribution to GH research: from Souza Leite to Itabaianinha syndrome. <b>2022</b> , 66, 919-928	O
531	MetalBrganic gel coupled entropy-driven circuit for fluorescence detection of miR-155. <b>2022</b> , 10, 18258-18	2630
530	lncRNA ZFAS1 promotes intervertebral disc degeneration by upregulating AAK1. 2022, 17, 1973-1986	O
529	Effect of miRs-17/20 on Vasospasm in Subarachnoid Hemorrhage Model of Rats.	0
528	Investigating RNABrotein recognition mechanisms through supervised molecular dynamics (SuMD) simulations. <b>2022</b> , 4,	2
527	MicroRNA29B induces fetal hemoglobin via inhibition of the HBG repressor protein MYB in vitro and in humanized sickle cell mice. 9,	0
526	miR-17-92 cluster in osteoarthritis: Regulatory roles and clinical utility. 13,	O
525	A long look at short prokaryotic Argonautes. 2022,	0
524	Biomarkers of Response and Resistance to CDK4/6 Inhibitors in Breast Cancer: Hints from Liquid Biopsy and microRNA Exploration. <b>2022</b> , 23, 14534	О
523	The role and mechanisms of miRNA in neonatal necrotizing enterocolitis. 10,	0
522	MicroRNA-3692-3p is overexpressed in lung tumors but may not serve as a prognostic biomarker in lung cancer patients.	1
521	hsa-miR-320a-3p and hsa-miR-483-5p levels in human granulosa cells: promising bio-markers of live birth after IVF/ICSI. <b>2022</b> , 20,	0
520	ADSC-derived exosomes attenuate myocardial infarction injury by promoting miR-205- mediated cardiac angiogenesis.	O
519	Facultative symbionts are potential agents of symbiont-mediated RNAi in aphids. 13,	1
518	Exosomal MicroRNA Profiling. <b>2023</b> , 13-47	0

517	Thermodynamic Parameters Contributions of Single Internal Mismatches In RNA/DNA Hybrid Duplexes.	О
516	Evaluating Single-Nucleotide Variants in MicroRNA Targeting Sites and Mature MicroRNA In Vitro Cell Culture by Luciferase Reporter Gene Assays. <b>2023</b> , 185-201	O
515	MicroRNA-137 inhibits pituitary prolactinoma proliferation by targeting AKT2.	O
514	Identifying MicroRNA Markers That Predict COVID-19 Severity Using Machine Learning Methods. <b>2022</b> , 12, 1964	Ο
513	Whole transcriptome sequencing and competitive endogenous RNA regulation network construction analysis in benzo[a]pyrene-treated breast cancer cells. <b>2022</b> , 160564	0
512	miR-195-3p/BDNF axis regulates hypoxic injury by targeting P-ERK1/2 expression. <b>2022</b> , 101, e31586	О
511	Salvianolic Acid B Protects Cardiomyocytes from Ischemia/Reperfusion Injury by Mediating circTRRAP/miR-214-3p/SOX6 Axis. <b>2022</b> , 63, 1176-1186	0
510	MiR-302d inhibits TGFB-induced EMT and promotes MET in primary human RPE cells. <b>2022</b> , 17, e0278158	O
509	miRNA Biogenesis and Regulation of Diseases: An Updated Overview. <b>2023</b> , 1-12	2
508	Detection of MicroRNAs in Brain Slices Using In Situ Hybridization. <b>2023</b> , 93-100	O
508 507	Detection of MicroRNAs in Brain Slices Using In Situ Hybridization. 2023, 93-100  Promotion effect of apical tooth germ cell-conditioned medium on osteoblastic differentiation of periodontal ligament stem cells through regulating miR-146a-5p. 2022, 22,	0
	Promotion effect of apical tooth germ cell-conditioned medium on osteoblastic differentiation of	
507	Promotion effect of apical tooth germ cell-conditioned medium on osteoblastic differentiation of periodontal ligament stem cells through regulating miR-146a-5p. <b>2022</b> , 22,  Identifying SM-miRNA associations based on layer attention graph convolutional network and	0
507	Promotion effect of apical tooth germ cell-conditioned medium on osteoblastic differentiation of periodontal ligament stem cells through regulating miR-146a-5p. <b>2022</b> , 22,  Identifying SM-miRNA associations based on layer attention graph convolutional network and matrix decomposition. 9,  PPARIEN the Epigenetic Driver Seat of NAFLD: New Therapeutic Opportunities for Epigenetic	0
507 506 505	Promotion effect of apical tooth germ cell-conditioned medium on osteoblastic differentiation of periodontal ligament stem cells through regulating miR-146a-5p. 2022, 22,  Identifying SM-miRNA associations based on layer attention graph convolutional network and matrix decomposition. 9,  PPARIn the Epigenetic Driver Seat of NAFLD: New Therapeutic Opportunities for Epigenetic Drugs?. 2022, 10, 3041	0 0
507 506 505	Promotion effect of apical tooth germ cell-conditioned medium on osteoblastic differentiation of periodontal ligament stem cells through regulating miR-146a-5p. 2022, 22,  Identifying SM-miRNA associations based on layer attention graph convolutional network and matrix decomposition. 9,  PPARI the Epigenetic Driver Seat of NAFLD: New Therapeutic Opportunities for Epigenetic Drugs?. 2022, 10, 3041  Whole transcriptome analysis of HCT-8 cells infected by Cryptosporidium parvum. 2022, 15,	0 0
507 506 505 504 503	Promotion effect of apical tooth germ cell-conditioned medium on osteoblastic differentiation of periodontal ligament stem cells through regulating miR-146a-5p. 2022, 22,  Identifying SM-miRNA associations based on layer attention graph convolutional network and matrix decomposition. 9,  PPAREIN the Epigenetic Driver Seat of NAFLD: New Therapeutic Opportunities for Epigenetic Drugs?. 2022, 10, 3041  Whole transcriptome analysis of HCT-8 cells infected by Cryptosporidium parvum. 2022, 15,  Circ_0000253 promotes the progression of osteosarcoma via the miR-1236-3p/SP1 axis.  A Genetic Compensation Phenomenon and Global Gene Expression Changes in Sex-miR-2766-3p	<ul><li>0</li><li>0</li><li>0</li><li>0</li><li>0</li></ul>

499	Exosomal miR-767 from senescent endothelial-derived accelerating skin fibroblasts aging via inhibiting TAB1.	0
498	Long noncoding RNA HCG18 Promotes Extracellular Matrix Degradation of Nucleus Pulposus Cells in Intervertebral Disc Degeneration by Regulating the miR-4306/EPAS1 Axis. <b>2022</b> ,	О
497	Development of a 3-MicroRNA Signature and Nomogram for Predicting the Survival of Patients with Uveal Melanoma Based on TCGA and GEO Databases. <b>2022</b> , 2022, 1-13	1
496	Cancer Stem CellsThe Insight into Non-Coding RNAs. <b>2022</b> , 11, 3699	O
495	MicroRNA Changes Up to 24 h following Induced Hypoglycemia in Type 2 Diabetes. <b>2022</b> , 23, 14696	1
494	Comprehensive small RNA-sequencing of primary myeloma cells identifies miR-105-5p as a predictor of patient survival.	O
493	Low expression of microRNA-638 is associated with poor overall survival from hepatocellular carcinoma: A meta-analysis. <b>2022</b> ,	О
492	Analysis of circRNA and miRNA expression profiles in IGF3-induced ovarian maturation in spotted scat (Scatophagus argus). 13,	O
491	The rs41291957 polymorphism of miR-143/145 and cancer risk: a case-control study and meta-analysis. 1-17	0
490	MiR-148a deletion protects from bone loss in physiological and estrogen-deficient mice by targeting NRP1. <b>2022</b> , 8,	O
489	Role of microRNA-34b-5p in cancer and injury: how does it work?. <b>2022</b> , 22,	О
488	MicroRNAs: key regulators of the trophoblast function in pregnancy disorders.	O
487	Characterization of proteins, mRNAs, and miRNAs of circulating extracellular vesicles from prostate cancer patients compared to healthy subjects. 12,	0
486	MicroRNA-429 Regulates Invasion and Migration of Multiple Myeloma Cells via Bmi1/AKT Pathway. <b>2022</b> , 12, 2419-2426	O
485	MiR-183-5p Promotes the Cell Proliferation of Colorectal Cancer by Targeting QKI-5.	0
484	Self-assembled DNA nanostructure containing oncogenic miRNA-mediated cell proliferation by downregulation of FOXO1 expression. <b>2022</b> , 22,	O
483	microRNA-338-3p suppresses lipopolysaccharide-induced inflammatory response in HK-2 cells. <b>2022</b> , 23,	О
482	Evaluating the Role of BglI rs739837 and TaqI rs731236 Polymorphisms in Vitamin D Receptor with SARS-CoV-2 Variants Mortality Rate. <b>2022</b> , 13, 2346	1

481	Expression of juvenility related microRNAs and target genes during micropropagation of silver birch (Betula pendula Roth.).	0
480	Endometriosis Stem Cells as a Possible Main Target for Carcinogenesis of Endometriosis-Associated Ovarian Cancer (EAOC). <b>2023</b> , 15, 111	1
479	Search for New Participants in the Pathogenesis of High-Grade Serous Ovarian Cancer with the Potential to Be Used as Diagnostic Molecules. <b>2022</b> , 12, 2017	Ο
478	H2S-mediated inhibition of RhoA/ROCK pathway and noncoding RNAs in ischemic stroke.	Ο
477	Micronome Revealed miR-205-5p as Key Regulator of VEGFA During Cancer Related Angiogenesis in Hepatocellular Carcinoma.	1
476	A comprehensive review on RNA interference-mediated targeting of interleukins and its potential therapeutic implications in colon cancer. <b>2023</b> , 13,	Ο
475	The role of miRNA-128 in the development and progression of gastrointestinal and urogenital cancer.	Ο
474	MiR-181a-5p Delivered by Adipose-Derived Mesenchymal Stem Cell Exosomes Alleviates Klebsiella pneumonia Infection-Induced Lung Injury by Targeting STAT3 Signaling. <b>2022</b> , 2022, 1-11	Ο
473	MicroRNA-19 upregulation attenuates cardiac fibrosis via targeting connective tissue growth factor. <b>2022</b> ,	Ο
472	Recent Updates on the Role of the MicroRNA-10 Family in Gynecological Malignancies. <b>2022</b> , 2022, 1-8	Ο
471	Garlic-derived Exosomes Carrying miR-396e Shapes Macrophage Metabolic Reprograming to Mitigate the Inflammatory Response in Obese Adipose Tissue. <b>2022</b> , 109249	О
470	MiR-145 is upregulated in the retarded preimplantation embryos and modulates cholesterol levels in mice preimplantation embryos through targeting Abca1. <b>2022</b> , 20,	Ο
469	Over-expression of miR-183-5p or miR-492 triggers invasion and proliferation and loss of polarity in non-neoplastic breast epithelium. <b>2022</b> , 12,	0
468	Genetic variants found in paediatric oncology patients with severe chemotherapy-induced toxicity: A case series. 107815522211373	O
467	Exosomal transfer of miR-181b-5p confers senescence-mediated doxorubicin resistance via modulating BCLAF1 in breast cancer.	0
466	Plasma exosomal miR-199a-3p downregulates cell proliferation and migration in Hirschsprung disease by targeting mTOR. <b>2023</b> , 39,	O
465	Fungal Secondary Metabolites and Small RNAs Enhance Pathogenicity during Plant-Fungal Pathogen Interactions. <b>2023</b> , 9, 4	1
464	Identification of Differentially Expressed miRNAs in Porcine Adipose Tissues and Evaluation of Their Effects on Feed Efficiency. <b>2022</b> , 13, 2406	O

463	An Immunocompetent Environment Unravels the Proto-Oncogenic Role of miR-22. <b>2022</b> , 14, 6255	Ο
462	MicroRNAs in T Cell-Immunotherapy. <b>2023</b> , 24, 250	0
461	Immunoregulatory framework and the role of miRNA in the pathogenesis of NSCLC [A systematic review. 12,	0
460	Comparative expression analysis of microRNAs targeting GRAS genes induced by osmotic stress in two contrasting wheat genotypes.	O
459	ITGA9 Inhibits Proliferation and Migration of Dermal Microvascular Endothelial Cells in Psoriasis. Volume 15, 2795-2806	0
458	miR-29 is an important driver of aging-related phenotypes.	O
457	MicroRNA-378a-3p prevents initiation and growth of colorectal cancer by fine tuning polyamine synthesis. <b>2022</b> , 12,	0
456	Peripheral vascular remodeling during ischemia. 13,	O
455	Genome Editing and Diabetic Cardiomyopathy. <b>2023</b> , 103-114	0
454	Exploring craniofacial and dental development with microRNAs. 2022, 50, 1897-1909	O
453	The microRNA processing subunit DGCR8 is required for a T cell-dependent germinal center response. 13,	0
452	Predicting miRNA-disease associations based on lncRNAEhiRNA interactions and graph convolution networks.	1
451	Myeloid-derived suppressor cell: A crucial player in autoimmune diseases. 13,	0
450	Analysis of Pectin in Different Citrus Fruits and Evolutionary Relationship. <b>2023</b> , 268-275	O
449	Engineered anti-EGFRvIII targeted exosomes induce apoptosis in glioblastoma multiforme. 1-10	0
448	In vitro anti-malignant property of PCMT1 silencing and identification of the SNHG16/miR-195/PCMT1 regulatory axis in breast cancer cells. <b>2022</b> ,	O
447	Bta-miR-106b Regulates Bovine Mammary Epithelial Cell Proliferation, Cell Cycle, and Milk Protein Synthesis by Targeting the CDKN1A Gene. <b>2022</b> , 13, 2308	0
446	Identification of microRNA158 from Anthurium andraeanum and Its Function in Cold Stress Tolerance. <b>2022</b> , 11, 3371	O

445	Prediction of potential small molecule hiRNA associations based on heterogeneous network representation learning. 13,	О
444	Circulating Levels of Hypoxia-regulating MicroRNAs in Systemic Lupus Erythematosus Patients with Hemolytic Anemia.	O
443	The role of miRNA and lncRNA in heterotopic ossification pathogenesis. 2022, 13,	О
442	MicroRNA mimics can distort physiological microRNA effects on immune checkpoints by triggering an antiviral interferon response. <b>2022</b> , 19, 1305-1315	O
441	DCTGM: A Novel Dual-channel Transformer Graph Model for miRNA-disease Association Prediction.	О
440	MicroRNA -183-5p regulates TAR DNA -binding protein 43 neurotoxicity via SQSTM1 /p62 in amyotrophic lateral sclerosis.	O
439	Research progress on non-coding RNA in cholesteatoma of the middle ear.	О
438	MiR-191-5p Attenuates Tau Phosphorylation, AlGeneration, and Neuronal Cell Death by Regulating Death-Associated Protein Kinase 1. <b>2022</b> , 13, 3554-3566	1
437	Leading Roles of Heparan Sulfate in Angiogenesis and Cancer. <b>2023</b> , 229-256	О
436	Integrated Analysis of MicroRNA and mRNA Expression Profiles in the Fat Bodies of MbMNPV-Infected Helicoverpa armigera. <b>2023</b> , 15, 19	О
435	Molecular Mediators and Regulators of Retinal Angiogenesis. 1-10	О
434	Differential Expression of microRNAs Following Electroacupuncture Applied to ST36 and GB34 in Rat Models of Chronic Pain. <b>2022</b> , 39, 132-141	O
433	Quantitative analysis of miRNAs using SplintR ligase-mediated ligation of complementary-pairing probes enhanced by RNase H (SPLICER)-qPCR. <b>2022</b> ,	О
432	Identification of Human miRNA Biomarkers Targeting the SARS-CoV-2 Genome. <b>2022</b> , 7, 46411-46420	О
431	Pulmonary EV miRNA profiles identify disease and distinct inflammatory endotypes in COPD. 9,	0
430	MicroRNA-200c Affects Milk Fat Synthesis by Targeting PANK3 in Ovine Mammary Epithelial Cells. <b>2022</b> , 23, 15601	О
429	Identification and Comparative Analysis of the miRNAs in Gonads of High-altitude Species, Batrachuperus tibetanus.	О
428	Bioinformatics Analysis of miRNAs Targeting TRAF5 in DLBCL Involving in NF- <b>B</b> Signaling Pathway and Affecting the Apoptosis and Signal Transduction. <b>2022</b> , 2022, 1-14	O

427	Plasma microRNA -192-5p can predict the response to neoadjuvant chemotherapy and prognosis in esophageal cancer.	O
426	Relationship between the Occurrence of Genetic Variants of Single Nucleotide Polymorphism in microRNA Processing Genes and the Risk of Developing Multiple Sclerosis. <b>2022</b> , 10, 3124	O
425	The spring-like effect of microRNA-31 in balancing inflammatory and regenerative responses in colitis. 13,	O
424	Impact of epigenetic reprogramming on antitumor immune responses in glioma. <b>2023</b> , 133,	O
423	MicroRNAs markedly expressed in apical periodontitis cooperatively regulate cytokines and growth factors promoting an anti-inflammatory response <b>2023</b> ,	O
422	Regenerative Effects of Exosomes-Derived MSCs: An Overview on Spinal Cord Injury Experimental Studies. <b>2023</b> , 11, 201	O
421	Molecular profiling of urinary extracellular vesicles in chronic kidney disease and renal fibrosis. 13,	O
420	Integrative analyses of genes and miRNAs associated with age-related sarcopenia.	O
419	Small RNAs/Cancer. <b>2016</b> , 727-738	O
418	Epigenetics in Cancer Biology. <b>2022</b> ,	O
418 417	Epigenetics in Cancer Biology. 2022,  Biotechnological Approaches to Improve Sugarcane Quality and Quantum Under Environmental Stresses. 2022, 267-300	0
	Biotechnological Approaches to Improve Sugarcane Quality and Quantum Under Environmental	
417	Biotechnological Approaches to Improve Sugarcane Quality and Quantum Under Environmental Stresses. <b>2022</b> , 267-300	0
4 <sup>1</sup> 7 416	Biotechnological Approaches to Improve Sugarcane Quality and Quantum Under Environmental Stresses. 2022, 267-300  MicroRNAs as prognostic biomarkers for (cancer ssociated) venous thromboembolism. 2023, 21, 7-17	0
417 416 415	Biotechnological Approaches to Improve Sugarcane Quality and Quantum Under Environmental Stresses. 2022, 267-300  MicroRNAs as prognostic biomarkers for (cancer\( \text{B}\)ssociated) venous thromboembolism. 2023, 21, 7-17  Epigenetics in T-cell driven inflammation and cancer. 2023,  Functional gene polymorphisms and expression alteration of selected microRNAs and the risk of	0 0
417 416 415 414	Biotechnological Approaches to Improve Sugarcane Quality and Quantum Under Environmental Stresses. 2022, 267-300  MicroRNAs as prognostic biomarkers for (cancer ssociated) venous thromboembolism. 2023, 21, 7-17  Epigenetics in T-cell driven inflammation and cancer. 2023,  Functional gene polymorphisms and expression alteration of selected microRNAs and the risk of various gastric lesions in Helicobacter pylori-related gastric diseases. 13,  Decrease in the expression of muscle-specific miRNAs, miR-133a and miR-1, in myoblasts with	0 0
417 416 415 414 413	Biotechnological Approaches to Improve Sugarcane Quality and Quantum Under Environmental Stresses. 2022, 267-300  MicroRNAs as prognostic biomarkers for (cancer\( \text{E}\) ssociated) venous thromboembolism. 2023, 21, 7-17  Epigenetics in T-cell driven inflammation and cancer. 2023,  Functional gene polymorphisms and expression alteration of selected microRNAs and the risk of various gastric lesions in Helicobacter pylori-related gastric diseases. 13,  Decrease in the expression of muscle-specific miRNAs, miR-133a and miR-1, in myoblasts with replicative senescence. 2023, 18, e0280527	0 0 0

409	Non-coding RNAs regulate the BMP/Smad pathway during osteogenic differentiation of stem cells. <b>2023</b> , 125, 151998	О
408	The upregulation of CLGN in hepatocellular carcinoma is potentially regulated by hsa-miR-194-3p and associated with patient progression. 12,	Ο
407	Follicular fluid exosomes inhibit BDNF expression and promote the secretion of chemokines in granulosa cells by delivering miR-10b-5p. <b>2023</b> ,	0
406	Editorial: Functional analysis of species-specific non-coding RNAs in plants. 13,	O
405	MiR-100 rs1834306 A>G Increases Biliary Atresia Risk in Southern Han Chinese Children. <b>2023</b> , 2023, 1-5	0
404	The role of RNA-binding proteins in orchestrating germline development in Caenorhabditis elegans. 10,	O
403	DNA methylation and cancer: transcriptional regulation, prognostic, and therapeutic perspective. <b>2023</b> , 40,	O
402	Immunomodulatory effects of probiotic supplementation in patients with asthma: a randomized, double-blind, placebo-controlled trial. <b>2023</b> , 19,	O
401	Identification and Functional Analysis of Serum Specific miRNAs in Recurrent Aphthous Stomatitis Patients with Excess-heat or Yin-deficiency. <b>2023</b> , 100079	0
400	LncRNA NEAT1 inhibits apoptosis and autophagy of ovarian granulosa cells through miR-654/STC2-mediated MAPK signaling pathway. <b>2023</b> , 113473	Ο
399	Recent Strategies to Engineer Alkaloid Biosynthesis in Medicinal Plants. 2023, 391-416	0
398	MicroRNA-mediated regulation of reactive astrocytes in central nervous system diseases. 15,	Ο
397	MicroRNA-452: a double-edged sword in multiple human cancers.	Ο
396	Circulating miRNA Signatures in Early-Stage Huntington® Disease.	O
395	Epigenetic regulations as drivers of insecticide resistance and resilience to climate change in arthropod pests. 13,	0
394	Circulating microRNAs associated with non-alcoholic fatty liver disease.	1
393	Discovery and Functional Analysis of Secondary Hair Follicle miRNAs during Annual Cashmere Growth. <b>2023</b> , 24, 1063	O
392	The microRNA pathway activation in insect cell model upon Autographa californica multiple nucleopolyhedrovirus infection. <b>2023</b> , 47, 627-645	Ο

391	Cardiac microRNA expression profile in response to estivation. 2023,	O
390	Integrated mRNA and miRNA transcriptomic analysis reveals the response of Rapana venosa to the metamorphic inducer (juvenile oysters). <b>2023</b> , 21, 702-715	O
389	Susceptible and resistant wheat cultivars show different miRNAs expression patterns in response to Zymoseptoria tritici.	O
388	Integrative analysis of microRNAs and mRNAs reveals the regulatory networks of triterpenoid saponin metabolism in Soapberry (Sapindus mukorossi Gaertn.). 13,	O
387	High body energy reserve influences extracellular vesicles miRNA contents within the ovarian follicle. <b>2023</b> , 18, e0280195	O
386	microRNAs combined to radiomic features as a predictor of complete clinical response after neoadjuvant radio-chemotherapy for locally advanced rectal cancer: a preliminary study.	O
385	On data normalization and batch-effect correction for tumor subtyping with microRNA data. <b>2023</b> , 5,	O
384	Target complementarity in cnidarians supports a common origin for animal and plant microRNAs.	O
383	Using Single-Cell RNA Sequencing and MicroRNA Targeting Data to Improve Colorectal Cancer Survival Prediction. <b>2023</b> , 12, 228	1
382	Identification of novel and salt-stress-regulated miRNAs from root of Melilotus officinalis (L.) Pall. by qRT-PCR.	O
381	Role of epigenetics in pancreatic ductal adenocarcinoma.	O
380	Understanding the evolution of miRNA biogenesis machinery in plants with special focus on rice. <b>2023</b> , 23,	O
379	Targeting RNA with small molecules a safety perspective.	0
378	ERVWE1 Reduces Hippocampal Neuron Density and Impairs Dendritic Spine Morphology through Inhibiting Wnt/JNK Non-Canonical Pathway via miR-141-3p in Schizophrenia. <b>2023</b> , 15, 168	1
377	Silencing miR-146a-5p Protects against Injury-Induced Osteoarthritis in Mice. 2023, 13, 123	0
376	Tissue-Specific microRNA Expression Profiling to Derive Novel Biomarkers for the Diagnosis and Subtyping of Small B-Cell Lymphomas. <b>2023</b> , 15, 453	O
375	Femtomolar-level PCR-free quantification of microRNA cancer biomarkers in serum.	0
374	Potential Plasma MicroRNAs signature miR-190b-5p, miR-215-5p and miR-527 as non-invasive Biomarkers for Prostate Cancer. 1-22	O

373	The Role of MicroRNAs in Pancreatitis Development and Progression. 2023, 24, 1057	1
372	MicroRNAs as clinical tools for diagnosis, prognosis, and therapy in prostate cancer. <b>2023</b> , 28, 101613	О
371	SMAP: Similarity-based matrix factorization framework for inferring miRNA-disease association. <b>2023</b> , 263, 110295	2
370	Screening and evaluation of endogenous reference genes for miRNA expression analysis in forensic body fluid samples. <b>2023</b> , 63, 102827	O
369	Ultrasensitive and multiplexed miRNA detection system with DNA-PAINT. 2023, 224, 115053	O
368	Involvement of microRNA164 in responses to heat stress in Arabidopsis. <b>2023</b> , 329, 111598	O
367	pfeRNAs- A Novel Class of Small Non-Coding RNAs With Real Translational Potential. 2023, 284, 237-244	0
366	Studies on the application of single-stranded DNA and PNA probes for electrochemical detection of miRNA 141. <b>2023</b> , 150, 108363	O
365	MicroRNA miR-722 Inhibits Cyprinid Herpesvirus 3 Replication via Targeting the Viral Immune Evasion Protein ORF89, Which Negatively Regulates IFN by Degrading IRF3. <b>2022</b> , 209, 1918-1929	1
364	Can Micro RNA-24 Affect the Cardiovascular Morbidity in Systemic Lupus Erythematosus by Targeting YKL-40?. <b>2022</b> , 11, 511-523	O
363	Bacterial metabolite butyrate in modulating sorafenib-targeted microRNAs to curtail its resistance in hepatocellular carcinoma.	0
362	Overexpression of Mtr-miR319a Contributes to Leaf Curl and Salt Stress Adaptation in Arabidopsis thaliana and Medicago truncatula. <b>2023</b> , 24, 429	O
361	Role of mechano-sensitive non-coding RNAs in bone remodeling of orthodontic tooth movement: recent advances. <b>2022</b> , 23,	O
360	MicroRNA 200a as a histologically independent marker for meningioma recurrence: Results of a four microRNA panel analysis in meningiomas.	O
359	RNA Interference Applications for Machado-Joseph Disease.	О
358	Effects of Cationic Dendrimers and Their Complexes with microRNAs on Immunocompetent Cells. <b>2023</b> , 15, 148	2
357	Obstructive Sleep Apnea: A Look towards Micro-RNAs as Biomarkers of the Future. <b>2023</b> , 12, 66	O
356	MicroRNA-4776-5p acts as a radiosensitizer and predicts the prognosis of patients with head and neck cancer receiving radiotherapy.	O

355	A pathway analysis-based algorithm for calculating the participation degree of ncRNA in transcriptome. <b>2022</b> , 12,	0
354	Integrative Analysis of miRNAs Involved in Fat Deposition in Different Pig Breeds. 2023, 14, 94	О
353	MiRNAs and snoRNAs in Bone Metastasis: Functional Roles and Clinical Potential. 2023, 15, 242	0
352	miR-576-5p Promotes the Proliferation of Papillary Thyroid Carcinoma through the MAPK4-AKT Pathway. <b>2022</b> , 2022, 1-11	Ο
351	Characterizing Relevant MicroRNA Editing Sites in Parkinson Disease. 2023, 12, 75	0
350	ABX464 (obefazimod) up-regulates miR-124 to reduce pro-inflammatory markers in inflammatory bowel diseases. <b>2022</b> , Publish Ahead of Print,	O
349	miR-551a and miR-551b-3p target GLIPR2 and promote tumor growth in high-risk head and neck cancer by modulating autophagy. <b>2022</b> , 100085	0
348	Downexpression of miR-200c-3p Contributes to Achalasia Disease by Targeting the PRKG1 Gene. <b>2023</b> , 24, 668	Ο
347	Salivary miRNAs Expression in Potentially Malignant Disorders of the Oral Mucosa and Oral Squamous Cell Carcinoma: A Pilot Study on miR-21, miR-27b, and miR-181b. <b>2023</b> , 15, 291	О
346	Mapping miRNA Research in Schizophrenia: A Scientometric Review. <b>2023</b> , 24, 436	1
345	Nucleic Acids as Biorecognition Element in Biosensor Development. <b>2011</b> , 17-33	О
344	miRNA-205: a future therapeutic molecule for liver diseases. <b>2022</b> , 4,	Ο
343	miR-23a-3p and miR-181a-5p modulate SNAP-25 expression. <b>2023</b> , 18, e0279961	0
342	Genome-wide analysis reveals the crucial role of lncRNAs in regulating the expression of genes controlling pollen development.	O
341	p53 and HuR combinatorially control the biphasic dynamics of microRNA-125b in response to genotoxic stress. <b>2023</b> , 6,	0
340	miRNAs: The Road from Bench to Bedside. <b>2023</b> , 14, 314	O
339	The Role of Microsphere Structures in Bottom-Up Bone Tissue Engineering. <b>2023</b> , 15, 321	O
338	MicroRNA and Their Role in Carcinoma Gallbladder. <b>2023</b> , 177-200	O

337	Characterizing microRNA editing and mutation sites in Autism Spectrum Disorder. 15,	O
336	The role of miRNA[In prostate cancer diagnosis, prognosis[and treatment response: a narrative review.	O
335	AL amyloidosis clonal plasma cells are regulated by microRNAs and dependent on anti-apoptotic BCL2 family members.	0
334	Gallbladder Cancer: Epigenetic Landscape, Targeted Therapy, and Prospect of Epitherapy. <b>2023</b> , 201-235	O
333	Detection of miRNAs. 2023, 1-11	0
332	An Efficient CRISPR-Cas9 Method to Knock Out MiRNA Expression in Xenopus Tropicalis. <b>2023</b> , 231-241	O
331	Outside the limit: questioning the distance restrictions for cooperative miRNA binding sites. <b>2023</b> , 28,	Ο
330	Tumour Necrosis Factor-Alpha (TNF-)Induced Metastatic Phenotype in Colorectal Cancer Epithelial Cells: Mechanistic Support for the Role of MicroRNA-21. <b>2023</b> , 15, 627	O
329	Garlic-derived exosomes regulate PFKFB3 expression to relieve liver dysfunction in high-fat diet-fed mice via macrophage-hepatocyte crosstalk. <b>2023</b> , 154679	Ο
328	DeepsmirUD: Prediction of Regulatory Effects on microRNA Expression Mediated by Small Molecules Using Deep Learning. <b>2023</b> , 24, 1878	O
327	Profiling of Targeted miRNAs (8-nt) for the Genes Involved in Type 2 Diabetes Mellitus and Cardiac Hypertrophy.	0
326	The Uridine diphosphate (UDP)-glycosyltransferases (UGTs) superfamily: the role in tumor cell metabolism. 12,	O
325	Long-term potentiation and depression regulatory microRNAs were highlighted in Bisphenol A induced learning and memory impairment by microRNA sequencing and bioinformatics analysis. <b>2023</b> , 18, e0279029	0
324	lncfos/miR-212-5p/CASP7 Axis-Regulated miR-212-5p Protects the Brain Against Ischemic Damage.	Ο
323	HDAC4 in cancer: A multitasking platform to drive not only epigenetic modifications. 10,	Ο
322	Cardiovascular Risk Assessment in Rheumatoid Arthritis: Accelerated Atherosclerosis, New Biomarkers, and the Effects of Biological Therapy. <b>2023</b> , 13, 319	1
321	Interrogation of Functional miRNA-Target Interactions by CRISPR/Cas9 Genome Engineering. 2023, 243-264	Ο
320	Molecular Mechanisms of Nutrient Deficiency Stress Tolerance in Legumes. <b>2023</b> , 291-322	O

319	Methyl Donors, Epigenetic Alterations, and Brain Health: Understanding the Connection. 2023, 24, 2346	0
318	RNAInterference in Experimental Animal Models: Its Application in Cancer Research and Therapy. <b>2023</b> , 875-892	O
317	A tissue-specific profile of miRNAs and their targets related to paeoniaflorin and monoterpenoids biosynthesis in Paeonia lactiflora Pall. by transcriptome, small RNAs and degradome sequencing. <b>2023</b> , 18, e0279992	О
316	Intestinal metaplasia in progression of Barrettl esophagus to esophageal adenocarcinoma. <b>2023</b> , 31, 41-47	O
315	Integrated analysis of mRNA and microRNA expression profiles in hepatopancreas of Litopenaeus vannamei under acute exposure to MC-LR. 14,	0
314	The potential benefits and mechanisms of protein nutritional intervention on bone health improvement. 1-15	1
313	Role of miR-200 family in brain metastases: A systematic review. <b>2023</b> , 18,	0
312	Stem Cells and Therapies in Cardiac Regeneration. <b>2023</b> , 127-141	О
311	Regulatory miPEP Open Reading Frames Contained in the Primary Transcripts of microRNAs. <b>2023</b> , 24, 2114	0
310	miR-126 mitigates the osteogenic differentiation of human bone marrow-derived mesenchymal stem cells by targeting the ERK1/2 and Bcl-2 pathways. <b>2023</b> ,	O
309	Engineering synthetic CopT/A-based genetic circuits for miRNA imaging and functional gene regulation.	0
308	Chemiluminescence Sensor for miRNA-21 Detection Based on CRISPR-Cas12a and Cation Exchange Reaction.	O
307	Transcriptome analysis of microRNA and mRNA expression profiles in Preeclampsia.	0
306	Comprehensive overview of microRNA function in rheumatoid arthritis. 2023, 11,	O
305	Genome-wide analysis and identification of microRNAs in Medicago truncatula under aluminum stress. 14,	0
304	Playing to the crowd: Using Drosophila to dissect mechanisms underlying plastic male strategies in sperm competition games. <b>2023</b> ,	O
303	MYC oncogenes as potential anticancer targets. <b>2023</b> , 191-219	0
302	MicroRNAs associated with Helicobacter pylori and Epstein-Barr virus infections in gastric cancer. <b>2023</b> , 71-94	O

301	Could be FOXO3a, miR-96-5p and miR-182-5p useful for Brazilian women with luminal A and triple negative breast cancers prognosis and target therapy?. <b>2023</b> , 78, 100155	О
300	Mechanism of Resveratrol Improving Ischemia <b>R</b> eperfusion Injury by Regulating Microglial Function Through microRNA-450b-5p/KEAP1/Nrf2 Pathway.	O
299	MicroRNA Identification, Target Prediction, and Validation for Crop Improvement. 2023, 13-24	О
298	Genome-Wide Identification and Posttranscriptional Regulation Analyses Elucidate Roles of Key Argonautes and Their miRNA Triggers in Regulating Complex Yield Traits in Rapeseed. <b>2023</b> , 24, 2543	1
297	Alterations in Circulating miRNA Levels after Infection with SARS-CoV-2 Could Contribute to the Development of Cardiovascular Diseases: What We Know So Far. <b>2023</b> , 24, 2380	О
296	miRNA Molecules[late Breaking Treatment for Inflammatory Bowel Diseases?. <b>2023</b> , 24, 2233	O
295	Methods for assessing the effect of microRNA on stemness genes. <b>2023</b> , 21, 170-182	0
294	Experimental and computational methods for studying the dynamics of RNA ${f R}$ NA interactions in SARS-COV2 genomes.	Ο
293	Vascular Wall Microenvironment: Exosomes Secreted by Adventitial Fibroblasts Induced Vascular Calcification.	О
292	Human cytomegalovirus-encoded microRNAs expression profile in plasma of patients with aortic dissection. <b>2023</b> , 18,	O
291	HELLPAR/RRM2 axis related to HMMR as novel prognostic biomarker in gliomas. 2023, 23,	0
290	Polymerization-Induced Self-Assembly: An Emerging Tool for Generating Polymer-Based Biohybrid Nanostructures. 2207457	O
289	MiR-29b level-mediated regulation of Klotho methylation via DNMT3A targeting in chronic obstructive pulmonary disease. <b>2023</b> , 174, 203827	0
288	Identification and Validation of Mirnas and their Targets that Regulate the Resistance Genes against Fusarium Wilt in Tomato. <b>2022</b> , 11, 301-313	О
287	Research Progress of MicroRNA in the Pathogenesis of Aortic Dissection. <b>2023</b> , 13, 4077-4081	O
286	Clinical role of oxides in Neuropsychiatric and Neurodegenerative disorders. <b>2023</b> , 359-378	Ο
285	Identification of Conserved and Novel MicroRNAs with their Targets in Garden Pea (Pisum Sativum L.) Leaves by High-Throughput Sequencing. <b>2023</b> , 17, 117793222311627	0
284	Research Progress of miRNA in Gastric Cancer and Colorectal Cancer. <b>2023</b> , 13, 2866-2872	O

283	Maternal Obesity and Its Epigenetic Effects. <b>2023</b> , 563-578	O
282	Recent advances in label-free optical, electrochemical, and electronic biosensors for glioma biomarkers. <b>2023</b> , 17, 011502	O
281	Identification of long non-coding RNA and circular RNA associated networks in cellular stress responses. 14,	0
280	New insights on the cardiovascular effects of IGF-1. 14,	O
279	Confirmation of theMIR204n.37C>T heterozygous variant as a cause of chorioretinal dystrophy variably associated with iris coloboma, early-onset cataracts and congenital glaucoma.	О
278	The potential regulatory role of the lncRNA-miRNA-mRNA axis in teleost fish. 14,	O
277	miR-124-3p regulates the proliferation and differentiation of retinal progenitor cells through SEPT10.	O
276	Cannabinoids Transmogrify Cancer Metabolic Phenotype via Epigenetic Reprogramming and a Novel CBD Biased G Protein-Coupled Receptor Signaling Platform. <b>2023</b> , 15, 1030	O
275	Retro-miRs: Novel and functional miRNAs originated from mRNA retrotransposition.	0
274	Peripheral Biomarkers in Manifest and Premanifest Huntington Disease. 2023, 24, 6051	O
273	MicroRNA expression in apical periodontitis and pulpal inflammation: a systematic review. 11, e14949	O
272	Comprehensive Analysis of Long Non-coding RNA,miRNA,and mRNA-associated Competitive Endogenous RNA Networks in the Peripheral Blood of Preterm Infants with Bronchopulmonary Dysplasia.	O
271	Analysis of immune-related microRNAs in cows and newborn calves. 2023, 106, 2866-2878	O
270	MicroRNA-322 inhibition of calcification of arterial smooth muscle cells by regulation of galactosyltransferase 1-associating protein UBE2Q1 and Runx2. Publish Ahead of Print,	O
269	Recent progress in nanocarrier-based drug delivery systems for antitumour metastasis. <b>2023</b> , 252, 115259	O
268	MicroRNA-370-5p inhibits pigmentation and cell proliferation by downregulating mitogen-activated protein kinase kinase kinase 8 expression in sheep melanocytes. <b>2023</b> , 22, 1131-1141	O
267	Genetic analysis and allele-specific expression of SMAD7 3?UTR variants in human colorectal cancer reveal a novel somatic variant exhibiting allelic imbalance. <b>2023</b> , 859, 147217	O
266	Identification of Serum miR-501-3p and miR-338-3p as Novel Diagnostic Biomarkers for Breast Cancer and Their Target Genes Associated with Immune Infiltration. Volume 16, 1279-1294	O

265	Wheel drive-based DNA sensing system for highly specific and rapid one-step detection of MiRNAs at the attomolar level. <b>2023</b> , 257, 124371	О
264	miRNAs as potential game-changers in bone diseases: Future medicinal and clinical uses. <b>2023</b> , 245, 154440	O
263	The regulatory role of miRNA towards expressed genes in the pathogenesis of gout: A review. <b>2023</b> , 36, 201163	O
262	Activated fibroblasts in cardiac and cancer fibrosis: An overview of analogies and new potential therapeutic options. <b>2023</b> , 321, 121575	О
261	Development of direct cardiac reprogramming for clinical applications. 2023, 178, 1-8	O
260	The regulation of persistent Borna disease virus infection by RNA silencing factors in human cells. <b>2023</b> , 658, 122-127	O
259	AgInZnS quantum dots as anodic emitters with strong and stable electrochemiluminescence for biosensing application. <b>2023</b> , 228, 115219	O
258	A universal ratiometric method for Micro-RNA detection based on the ratio of electrochemical/electrochemiluminescence signal, and toehold-mediated strand displacement amplification. <b>2023</b> , 1257, 341119	О
257	Advances in the role and mechanism of miRNA in inflammatory pain. 2023, 161, 114463	О
256	The Lnc-HOTAIR/miR122/PPARIsignaling mediated the occurrence and continuous development of alcohol-induced Osteonecrosis of the femoral head. <b>2023</b> , 380, 53-61	О
255	Advances in epigenetic modifications and cervical cancer research. 2023, 1878, 188894	О
254	Circular RNA regulation and function in drug seeking phenotypes. <b>2023</b> , 125, 103841	O
253	Polymer- and lipid-based nanocarriers for ocular drug delivery: Current status and future perspectives. <b>2023</b> , 196, 114770	1
252	Superstar microRNA, miR156, involved in plant biological processes and stress response: A review. <b>2023</b> , 316, 112010	O
251	The gut-brain connection: Exploring the influence of the gut microbiota on neuroplasticity and neurodevelopmental disorders. <b>2023</b> , 231, 109491	О
250	Harnessing function of EMT in hepatocellular carcinoma: From biological view to nanotechnological standpoint. <b>2023</b> , 227, 115683	O
249	Cancer stem cell-derived exosome-induced metastatic cancer: An orchestra within the tumor microenvironment. <b>2023</b> , 212, 1-11	О
248	An updated review on cell signaling pathways regulated by candidate miRNAs in coronary artery disease. <b>2023</b> , 8, 326-334	O

247	miProBERT: identification of microRNA promoters based on the pre-trained model BERT.	O
246	Validation of circulating microRNAs miR-142-3p and miR-598-3p in women with polycystic ovary syndrome as potential diagnostic markers.	O
245	Metformin regulates chondrocyte senescence and proliferation through microRNA-34a/SIRT1 pathway in osteoarthritis. <b>2023</b> , 18,	O
244	Circular RNA as new serum metabolic biomarkers in patients with Premature Ovarian Insufficiency.	O
243	Myelin basic protein recovery during PKU mice lifespan and the potential role of microRNAs on its regulation. <b>2023</b> , 180, 106093	0
242	miR-181c-5p suppresses neuronal pyroptosis via NLRP1 in Alzheimer∃ disease. <b>2023</b> , 447, 114387	O
241	Green tea actions on miRNAs expression [An update. 2023, 378, 110465	0
240	Expression Microdissection for the Analysis of miRNA in a Single-Cell Type. <b>2023</b> , 103, 100133	O
239	Cascade-amplified fluorescence polarization assay for miRNA based on aggregation strategy of Y-shaped DNA. <b>2023</b> , 187, 108428	0
238	miR-223-3p mediates the diabetic kidney disease progression by targeting IL6ST/STAT3 pathway. <b>2023</b> , 648, 50-58	O
237	Hypoxia-induced paclitaxel resistance in cervical cancer modulated by miR-100 targeting of USP15. <b>2023</b> , 45, 101138	O
236	Identification of key microRNAs regulating ELOVL6 and glioblastoma tumorigenesis. 2023, 3, 100078	O
235	Extracellular vesicles carrying miR-6836 derived from resistant tumor cells transfer cisplatin resistance of epithelial ovarian cancer via DLG2-YAP1 signaling pathway.	O
234	Magnetofection of miR-21 promoted by electromagnetic field and iron oxide nanoparticles via the p38 MAPK pathway contributes to osteogenesis and angiogenesis for intervertebral fusion. <b>2023</b> , 21,	O
233	Flowering under enhanced ionising radiation conditions and its regulation through epigenetic mechanisms. <b>2023</b> , 196, 246-259	O
232	Epigenetic Dysregulation in Alcohol-Associated Behaviors: Preclinical and Clinical Evidence. 2023,	1
231	Global Trends of Lipid Metabolism Research in Epigenetics Field: A Bibliometric Analysis from 2012 <b>0</b> 021. <b>2023</b> , 20, 2382	0
230	Association Between Single Nucleotide Polymorphisms Within lncRNA NONHSAT102891 and Depression Susceptibility in a Chinese Population. Volume 19, 293-302	O

229	Discovery and Validation of Circulating microRNAs as Biomarkers for Epileptogenesis after Experimental Traumatic Brain InjuryThe EPITARGET Cohort. <b>2023</b> , 24, 2823	0
228	Identification of Suitable Internal Control miRNAs in Bovine Milk Small Extracellular Vesicles for Normalization in Quantitative Real-Time Polymerase Chain Reaction. <b>2023</b> , 13, 185	O
227	The miR-100-5p Targets SMARCA5 to Regulate the Apoptosis and Intracellular Survival of BCG in Infected THP-1 Cells. <b>2023</b> , 12, 476	0
226	Combining non-negative matrix factorization with graph Laplacian regularization for predicting drug-miRNA associations based on multi-source information fusion. 14,	O
225	Wilms tumor mutational subclasses converge to driveCCND2overexpression.	0
224	MicroRNAs in spinal cord injury: A narrative review. 16,	Ο
223	Differential serum microRNAs in premotor LRRK2 G2019S carriers from Parkinson disease. <b>2023</b> , 9,	Ο
222	The Influence of Coexisting Familial Mediterranean Fever on Crohn Disease. Publish Ahead of Print,	Ο
221	Relationship between NUDT21 mediated alternative polyadenylation process and tumor. 13,	Ο
220	PAX5/ITGAX Contributed to the Progression of Atherosclerosis by Regulation of B Differentiation via TNF-岳ignaling Pathway. <b>2023</b> , 42, 97-104	Ο
219	Hypoxia Inhibits Cell Cycle Progression and Cell Proliferation in Brain Microvascular Endothelial Cells via the miR-212-3p/MCM2 Axis. <b>2023</b> , 24, 2788	Ο
218	Let-7c-5p down-regulates immune-related CDCA8 to inhibit hepatocellular carcinoma. <b>2023</b> , 23,	O
217	Alterations in microRNA of extracellular vesicles associated with major depression, attention-deficit/hyperactivity and anxiety disorders in adolescents. <b>2023</b> , 13,	Ο
216	Decreased AGGF1 facilitates the progression of placenta accreta spectrum via mediating the P53 signaling pathway under the regulation of miR-1296Bp. <b>2023</b> , 23, 100735	Ο
215	The epigenetic landscape of oligodendrocyte lineage cells. 2023, 1522, 24-41	0
214	The conserved microRNA -229 family controls low-insulin signaling and dietary restriction induced longevity through interactions with SKN -1/ NRF2. <b>2023</b> , 22,	1
213	MiR-326 regulates cell proliferation and apoptosis in fibroblast-like synoviocytes in rheumatoid arthritis. <b>2023</b> , 36, 987-996	Ο
212	Excess PrPCinhibits muscle cell differentiation via miRNA-enhanced liquid[Iquid phase separation implicated in myopathy.	O

211	miR-514a promotes neuronal development in human iPSC-derived neurons. 11,	О
210	miRNA Profiles of Canine Intestinal Carcinomas, Lymphomas and Enteritis Analysed by Digital Droplet PCR from FFPE Material. <b>2023</b> , 10, 125	O
209	Circular RNAs and Untranslated Regions in Acute Myeloid Leukemia. 2023, 24, 3215	O
208	Expression of miR-145 and miR-18b in Peripheral Blood Samples of Head and Neck Cancer Patients.	O
207	miR-199a-5p Reduces Chondrocyte Hypertrophy and Attenuates Osteoarthritis Progression via the Indian Hedgehog Signal Pathway. <b>2023</b> , 12, 1313	1
206	Micro RNA based MSC EV engineering: Targeting the BMP2 cascade for bone repair. 11,	О
205	miRNA-27a is essential for bone remodeling by modulating p62-mediated osteoclast signaling. 12,	0
204	MicroRNAs in autoimmune thyroid diseases and their role as biomarkers. <b>2023</b> , 37, 101741	O
203	Blocking Notch signalling reverses miR-155-mediated inflammation in allergic rhinitis. 2023, 116, 109832	О
202	MiRNA Profiling and Its Potential Roles in Rapid Growth of Velvet Antler in Gansu Red Deer (Cervus elaphus kansuensis). <b>2023</b> , 14, 424	O
201	Downregulation of miRNA-155 <b>B</b> p contributes to the adipogenic activity of 2-ethylhexyl diphenyl phosphate in 3T3-L1 preadipocytes. <b>2023</b> , 487, 153452	0
200	Case Report: Pancreatic metastasis of renal cell carcinoma 16 years after nephrectomy. 13,	O
199	Co-delivery of microRNA-150 and quercetin by lipid nanoparticles (LNPs) for the targeted treatment of age-related macular degeneration (AMD). <b>2023</b> , 355, 358-370	1
198	Bioinformatics prediction and experimental verification of a novel microRNA for myocardial fibrosis after myocardial infarction in rats. 11, e14851	O
197	MiR-15b-5p inhibits castration-resistant growth of prostate cancer cells by targeting the muscarinic cholinergic receptor CHRM3.	0
196	MiR-135a-5p/SP1 Axis Regulates Spinal Astrocyte Proliferation and Migration. <b>2023</b> , 515, 12-24	O
195	miRNA-Induced Downregulation of IPMK in Macrophages Mediates Lipopolysaccharide-Triggered TLR4 Signaling. <b>2023</b> , 13, 332	0
194	Signature of miRNAs derived from the circulating exosomes of patients with amyotrophic lateral sclerosis. 15,	O

193	MiR-190a regulates milk protein biosynthesis through the mTOR and JAK2BTAT5 signaling pathways by targeting PTHLH in buffalo mammary epithelial cells. <b>2023</b> , 102, 105451	0
192	Integrative mRNA-miRNA interaction analysis associated with the immune response of Strongylocentrotus intermedius to Vibrio harveyi infection. <b>2023</b> , 134, 108577	O
191	Cell State Transitions and Phenotypic Heterogeneity in Luminal Breast Cancer Implicating MicroRNAs as Potential Regulators. <b>2023</b> , 24, 3497	0
190	Aberrant activation of Wnt/ECatenin signaling pathway drives the expression of poor prognosis-associated microRNAs in adrenocortical cancer with a major impact on miR-139-5p and its host gene PDE2A.	O
189	Highly-expressed lncRNA FOXD2-AS1 in adipose mesenchymal stem cell derived exosomes affects HaCaT cells via regulating miR-185-5p/ROCK2 axis. <b>2023</b> , 12,	О
188	Patients with abdominal aortic aneurysms have reduced levels of microRNA 122-5p in circulating exosomes. <b>2023</b> , 18, e0281371	O
187	miR-148b as a Potential Biomarker for IgA Nephropathy. <b>2023</b> , 3, 84-94	О
186	MiR-214-3p may alleviate T-2 toxin-induced chondrocyte apoptosis and matrix degradation by regulating NF-B signaling pathway in vitro. <b>2023</b> , 225, 107049	O
185	Distinct regulatory networks control toxin gene expression in elapid and viperid snakes.	О
184	MiR-218-5p/EGFR Signaling in Arsenic-Induced Carcinogenesis. <b>2023</b> , 15, 1204	O
183	What Are the Functional Roles of Piwi Proteins and piRNAs in Insects?. 2023, 14, 187	О
182	Insights into Transcriptomic Differences in Ovaries between Lambs and Adult Sheep after Superovulation Treatment. <b>2023</b> , 13, 665	O
181	MicroRNAs as potential biomarkers and therapeutic targets in age-related macular degeneration. 3,	О
180	microRNAs Associated with Gemcitabine Resistance via EMT, TME, and Drug Metabolism in Pancreatic Cancer. <b>2023</b> , 15, 1230	1
179	PeGRF6-PeGIF1 complex regulates cell proliferation in the leaf of Phalaenopsis equestris. <b>2023</b> , 196, 683-694	О
178	Genome-wide identification and characterization of major RNAi genes highlighting their regulatory factors in Cowpea (Vigna unguiculata(L.) Walp.).	O
177	The human periconceptional maternal-embryonic space in health and disease. <b>2023</b> , 103, 1965-2038	O
	Exosome-mediated inhibition of microRNA-449a promotes the amplification of mouse retinal	

175	Regulatory roles of non-coding RNAs and m6A modification in trophoblast functions and the occurrence of its related adverse pregnancy outcomes. <b>2022</b> , 52, 681-713	1
174	Extracorporeal photopheresis as an immunomodulatory treatment modality for chronic GvHD and the importance of emerging biomarkers. 14,	О
173	Increased level of exosomal miR-20b-5p derived from hypothermia-treated microglia promotes neurite outgrowth and synapse recovery after traumatic brain injury. <b>2023</b> , 179, 106042	0
172	Epigenetic regulation in hematopoiesis and its implications in the targeted therapy of hematologic malignancies. <b>2023</b> , 8,	О
171	Liquid biomarkers in glioma. <b>2023</b> , 40, 66-77	0
170	An evaluation of the role of miR-361-5p in senescence and systemic ageing. <b>2023</b> , 174, 112127	О
169	Impact of extracellular vesicles on the pathogenesis, diagnosis, and potential therapy in cardiopulmonary disease. 14,	0
168	Identification and profiling of microRNAs during yak testicular development. 2023, 19,	О
167	Mechanistic Insights into the Biological Effects of Engineered Nanomaterials: A Focus on Gold Nanoparticles. <b>2023</b> , 24, 4109	0
166	Small RNA and Degradome Sequencing in Floral Bud Reveal Roles of miRNAs in Dormancy Release of Chimonanthus praecox. <b>2023</b> , 24, 4210	O
165	MicroRNA-183/96/182 cluster in immunity and autoimmunity. 14,	0
164	CircHOMER1 inhibits porcine adipogenesis via the miR -23b/ SIRT1 axis. <b>2023</b> , 37,	O
163	The microRNA Cargo of Human Vaginal Extracellular Vesicles Differentiates Parasitic and Pathobiont Infections from Colonization by Homeostatic Bacteria. <b>2023</b> , 11, 551	0
162	Recent Research Advances of Small Regulatory RNA in Fruit Crops. <b>2023</b> , 9, 294	О
161	MicroRNAs as Predictive Biomarkers in Patients with Colorectal Cancer Receiving Chemotherapy or Chemoradiotherapy: A Narrative Literature Review. <b>2023</b> , 15, 1358	0
160	Intrahippocampal Inoculation of AffB2 Peptide in Rat as a Model of AlzheimerB Disease Identified MicroRNA-146a-5p as Blood Marker with Anti-Inflammatory Function in Astrocyte Cells. <b>2023</b> , 12, 694	О
159	MicroRNA-195-3p as a potential regulator of hypoxic injury in HUVECs.	o
158	A comprehensive pan-cancer analysis reveals cancer-associated robust isomiR expression landscapes in miRNA arm switching.	O

157	Inhibition of miR-101-3p prevents human aortic valve interstitial cell calcification through regulation of CDH11/SOX9 expression. <b>2023</b> , 29,	О
156	OsNAR2.1 induced endogenous nitrogen concentration variation affects transcriptional expression of miRNAs in rice. 14,	O
155	Regulatory Role of microRNA of Milk Exosomes in Mastitis of Dairy Cows. <b>2023</b> , 13, 821	0
154	MicroRNA-17 Family Targets RUNX3 to Increase Proliferation and Migration of Hepatocellular Carcinoma. <b>2023</b> , 33, 71-84	O
153	The Role of Non-coding RNAs in Cerebellar Development. <b>2023</b> , 111-128	0
152	MicroRNA transcriptomics in liver of the freeze-tolerant gray tree frog (Dryophytes versicolor) indicates suppression of energy-expensive pathways. <b>2023</b> , 41, 309-320	O
151	A systematic review and meta-analysis of the diagnostic value of circulating microRNA-17-5p in patients with non-small cell lung cancer. <b>2023</b> , 102, e33070	O
150	Twenty Novel MicroRNAs in the Aqueous Humor of Pseudoexfoliation Glaucoma Patients. 2023, 12, 737	O
149	Arsenic-induced mutagenesis and carcinogenesis: A possible mechanism. 2023, 253-301	О
148	Differentially deregulated microRNAs contribute to ultraviolet radiation-induced photocarcinogenesis through immunomodulation: An-analysis of microRNAs expression profiling.	O
147	miR-34c-3p Regulates Protein Kinase A Activity Independent of cAMP by Dicing prkar2b Transcripts in Theileria annulata-Infected Leukocytes. <b>2023</b> , 8,	О
146	ADSC-derived exosomes attenuate myocardial infarction injury by promoting miR-205-mediated cardiac angiogenesis. <b>2023</b> , 18,	1
145	Systematic Identification and Comparison of the Expressed Profiles of Exosomal MiRNAs in Pigs Infected with NADC30-like PRRSV Strain. <b>2023</b> , 13, 876	О
144	Knockdown of Sly-miR164a Enhanced Plant Salt Tolerance and Improved Preharvest and Postharvest Fruit Nutrition of Tomato. <b>2023</b> , 24, 4639	О
143	Challenges in DICER1-Associated Lung Disease. <b>2023</b> , 12, 1918	О
142	Profiling miRNAs of Teleost Fish in Responses to Environmental Stress: A Review. <b>2023</b> , 12, 388	О
141	Lung microRNAs Expression in Lung Cancer and COPD: A Preliminary Study. <b>2023</b> , 11, 736	0
140	Identification and characterization of immune-related microRNAs in hybrid snakehead(Channa maculata? IChanna argus?)after treated by Echinacea purpurea (Linn.) Moench. <b>2023</b> , 135, 108653	O

139	Transcriptional Regulation during Aberrant Activation of NF-B Signalling in Cancer. 2023, 12, 788	0
138	Cellular senescence with SASP in periodontal ligament cells triggers inflammation in aging periodontal tissue.	O
137	Regulatory roles of ferroptosis-related non-coding RNAs and their research progress in urological malignancies. 14,	0
136	Identification, characterization, and verification of miR399 target gene in grape. 2023,	O
135	The Roles of Exosomes in Metastasis of Sarcoma: From Biomarkers to Therapeutic Targets. <b>2023</b> , 13, 456	0
134	Elfimova. MicroRNA: a clinician view of the state of the problem. Part 1. History of the issue. <b>2023</b> , 100-107	O
133	Interplay between microRNAs, Serum Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9), and Lipid Parameters in Patients with Very High Lipoprotein(a) Treated with PCSK9 Inhibitors. <b>2023</b> , 14, 632	0
132	Genome-wide identification, characterization and expression analysis of AGO, DCL, and RDR families in Chenopodium quinoa. <b>2023</b> , 13,	O
131	Biological functions, mechanisms, and clinical significance of circular RNA in colorectal cancer. 13,	0
130	Solid Lipid Nanoparticles: Multitasking Nano-Carriers for Cancer Treatment. <b>2023</b> , 15, 831	O
129	The Role of Placental Non-Coding RNAs in Adverse Pregnancy Outcomes. 2023, 24, 5030	O
128	miR-34a/DRP-1-mediated mitophagy participated in cisplatin-induced ototoxicity via increasing oxidative stress. <b>2023</b> , 24,	O
127	Treatment de-escalation for stage II seminoma.	0
126	MicroRNA -324-3p inhibits osteosarcoma progression by suppressing PGAM1 -mediated aerobic glycolysis.	O
125	The role of transcription factor Yin Yang-1 in colorectal cancer.	0
124	Clinical Value of Circulating miRNA in Diagnosis, Prognosis, Screening and Monitoring Therapy of Pancreatic Ductal Adenocarcinoma Review of the Literature. <b>2023</b> , 24, 5113	O
123	Exosome-Based Liquid Biopsy Approaches in Bone and Soft Tissue Sarcomas: Review of the Literature, Prospectives, and Hopes for Clinical Application. <b>2023</b> , 24, 5159	0
122	Indian Himalayan natural Arabidopsis thaliana accessions with abolished miR158 levels exhibit robust miR173 -initiated trans -acting cascade silencing.	O

121	Analysis of the noncoding RNA regulatory networks of H37Rv- and H37Rv?1759c-infected macrophages. 14,	0
120	Platelet-Derived MicroRNAs Regulate Cardiac Remodeling After Myocardial Ischemia. 2023, 132,	O
119	Signaling Regulation of Human MSC Osteogenic Differentiation: Metanalysis and Bioinformatic Analysis of MicroRNA Impact. <b>2023</b> , 57, 104-116	О
118	Autophagy-Related MicroRNA: Tumor miR-125b and Thyroid Cancers. <b>2023</b> , 14, 685	O
117	Effect of Silibinin on the Expression of Mir-20b, Bcl2L11, and Erbb2 in Breast Cancer Cell Lines.	O
116	Urinary exosomal microRNAs as predictive biomarkers for persistent psychotic-like experiences. <b>2023</b> , 9,	O
115	MicroRNAs: Potential Biomarkers of Disease Severity in Chronic Rhinosinusitis with Nasal Polyps. <b>2023</b> , 59, 550	О
114	Integrated OMICS: A way towards unraveling the Sclerotinia sclerotiorum pathosystem in oilseed Brassica.	О
113	MicroRNA-483-5p Inhibits Hepatocellular Carcinoma Cell Proliferation, Cell Steatosis, and Fibrosis by Targeting PPAR⊞nd TIMP2. <b>2023</b> , 15, 1715	O
112	MiRNAs in Hematopoiesis and Acute Lymphoblastic Leukemia. <b>2023</b> , 24, 5436	O
111	Editorial: Prognostic factors in non-small cell lung cancer. 13,	О
110	Gene Expression Analysis of some Resistance Genes in Ascochyta Blight Infected Chickpea (Cicer arietinum). <b>2021</b> , 13, 169-178	O
109	Alternative splicing in ABA signaling during seed germination. 14,	О
108	Effects of Dendrimer-microRNA Nanoformulations against Glioblastoma Stem Cells. <b>2023</b> , 15, 968	1
107	Co-regulatory effects of hormone and mRNAthiRNA module on flower bud formation of Camellia oleifera. 14,	О
106	Multi-sensitive functionalized niosomal nanocarriers for controllable gene delivery in vitro and in vivo. <b>2023</b> , 14,	О
105	Remdesivir Treatment alters Circulating MicroRNA Profile in Coronavirus Disease 2019 (COVID-19) Patients.	О
104	Cerebellar Epigenetics: Transcription of microRNAs in Purkinje Neurons as an Approach to Neuronal Plasticity. <b>2023</b> , 127-135	0

103	Exosomes as Rheumatoid Arthritis Diagnostic Biomarkers and Therapeutic Agents. 2023, 11, 687	O
102	The Molecular Mechanism of the TEAD1 Gene and miR-410-5p Affect Embryonic Skeletal Muscle Development: A miRNA-Mediated ceRNA Network Analysis. <b>2023</b> , 12, 943	O
101	Retro-miRs: Novel and functional miRNAs originating from mRNA retrotransposition.	O
100	Roles of tumor-associated macrophages in anti-PD-1/PD-L1 immunotherapy for solid cancers. <b>2023</b> , 22,	O
99	CrebH protects against liver injury associated with colonic inflammation via modulation of exosomal miRNA.	O
98	The MdmiR156n Regulates Drought Tolerance and Flavonoid Synthesis in Apple Calli and Arabidopsis. <b>2023</b> , 24, 6049	O
97	Plasma miR-150-5p as a Biomarker for Chronic Obstructive Pulmonary Disease. Volume 18, 399-406	O
96	Predicting miRNA-disease associations based on PPMI and attention network. <b>2023</b> , 24,	O
95	The role of exosomes in pathogenesis and the therapeutic efficacy of mesenchymal stem cell-derived exosomes against Parkinson disease.	O
94	MicroRNAs Ismall RNAs with a big influence on brain excitability.	O
93	BMP2 gene is a direct target gene of miR-378 in cattle. <b>2017</b> , 87,	O
92	The Role of miR-128 in Neurodegenerative Diseases. <b>2023</b> , 24, 6024	O
91	Bioinformatics and systematic biology methods to determine the pathogenic link between COVID-19 and atrial fibrillation.	O
90	Urinary-derived extracellular vesicles reveal a distinct microRNA signature associated with the development and progression of Fabry nephropathy. 10,	O
89	Circulating miRNAs in Women with Polycystic Ovary Syndrome: A Longitudinal Cohort Study. <b>2023</b> , 12, 983	O
88	miR-508-5p serves as an anti-oncogene by targeting S100A16 to regulate AKT signaling and epithelial-mesenchymal transition process in lung adenocarcinoma cells. <b>2023</b> ,	O
87	Lymphocyte to monocyte ratio predicts survival and is epigenetically linked to miR-222-3p and miR-26b-5p in diffuse large B cell lymphoma. <b>2023</b> , 13,	0
86	An essential role for miR-15/16 in Treg suppression and restriction of proliferation.	O

85	Long term nitrogen deficiency alters expression of miRNAs and alters nitrogen metabolism and root architecture in Indian dwarf wheat (Triticum sphaerococcum Perc.) genotypes. <b>2023</b> , 13,	O
84	High-throughput miRNA sequencing and identification of a novel ICE1-targeting miRNA in response to low temperature stress in Eucalyptus camaldulensis.	O
83	The Role of MicroRNA in the Pathogenesis of Diabetic Nephropathy. 2023, 24, 6214	О
82	The Role of Epicardial Adipose Tissue-Derived MicroRNAs in the Regulation of Cardiovascular Disease: A Narrative Review. <b>2023</b> , 12, 498	O
81	Comprehensive analysis of microRNA and metabolic profiles in bovine seminal plasma of different semen quality. 10,	О
80	miR -29a-3p promotes the regulatory role of eicosapentaenoic acid in the NLRP3 inflammasome and autophagy in microglial cells.	O
79	Transcriptomic analysis reveals shared gene signatures and molecular mechanisms between obesity and periodontitis. 14,	O
78	Aptamer-Based Targeted Delivery of Functional Nucleic Acids. 2023, 145, 7677-7691	O
77	Crocin suppresses breast cancer cell proliferation by down-regulating tumor promoter miR -122-5p and up-regulating tumor suppressors FOXP2 and SPRY2.	0
76	MiR-199a-5P promotes osteogenic differentiation of human stem cells from apical papilla via targeting IFIT2 in apical periodontitis. 14,	O
75	Functional Analysis of MicroRNAs in Skeletal Muscle. <b>2023</b> , 339-349	O
74	Diagnostic and predictive value of liquid biopsy-derived exosome miR-21 for breast cancer: a systematic review and meta-analysis. 1-10	O
73	hsa-mir-(4328, 4422, 548z and -628-5p) in diabetic retinopathy: diagnosis, prediction and linking a new therapeutic target.	O
72	miR-6087 Might Regulate Cell Cycle <b>R</b> elated mRNAs During Cardiomyogenesis of hESCs. <b>2023</b> , 17, 11779322	2231⁄1619
71	Enhancing clinical potential of liquid biopsy through a multi-omic approach: A systematic review. 14,	O
70	Identification of miR-151a as a novel endogenous control for small extracellular vesicle cargo normalization in human cancer.	O
69	mIR-99a-5p and mIR-148a-3p as Candidate Molecular Biomarkers for the Survival of Lung Cancer Patients. <b>2023</b> , 52, 87-100	O
68	Identification and Characterization of Development-Related microRNAs in the Red Flour Beetle, Tribolium castaneum. <b>2023</b> , 24, 6685	O

67	The polymorphism rs4705342 in the promoter of miR-143/145 is related to the risk of epithelial ovarian cancer and patient prognosis. 13,	0
66	Multiplex Analysis of Cerebrospinal Fluid and Serum Exosomes MicroRNAs of Untreated Relapsing Remitting Multiple Sclerosis (RRMS) and Proposing Noninvasive Diagnostic Biomarkers.	О
65	Evolving Diagnostic and Management Advances in Coronary Heart Disease. <b>2023</b> , 13, 951	О
64	ADAR1 Biology Can Hinder Effective Antiviral RNA Interference.	O
63	MALAT1 Mediates	0
62	Identification of MicroRNAs Regulating Clostridium perfringens Type C Infection in the Spleen of Diarrheic Piglets. <b>2023</b> , 45, 3193-3207	O
61	The Effects and Pathogenesis of PM2.5 and Its Components on Chronic Obstructive Pulmonary Disease. Volume 18, 493-506	o
60	SBP -box Transcription Factors and Flesh Fruit Development and Ripening. 2023, 188-210	О
59	Dicer Suppresses Hepatocellular Carcinoma via Interleukin-8 Pathway. <b>2023</b> , 17, 117955492311612	0
58	Orbitofrontal cortex microRNAs support long-lasting heroin seeking behavior in male rats. <b>2023</b> , 13,	o
57	Targeting GPR133 via miR-106a-5p inhibits the proliferation, invasion, migration and epithelial-mesenchymal transition (EMT) of glioma cells. 1-12	0
56	Identification of a novel microRNA signature for prediction of clinical prognosis and drug sensitivity/resistance analysis in Hepatocellular Carcinoma.	o
55	Tumor-suppressive microRNA-152 inhibits the proliferation of Ewing⊠sarcoma cells by targeting CDK5R1.	0
54	miR-125b-5p impacts extracellular vesicle biogenesis, trafficking, and EV subpopulation release in the porcine trophoblast by regulating ESCRT-dependent pathway.	o
53	Engineering Synthetic CopT/A-Based Genetic Biosensors for miRNA Imaging and Functional Gene Regulation.	0
52	Genome-wide analysis of key gene families in RNA silencing and their responses to biotic and drought stresses in adzuki bean. <b>2023</b> , 24,	O
51	CircPTPRA promotes the progression of pancreatic ductal adenocarcinoma via the miR -140-5p/LMNB1 axis.	О
50	Assessing the Role of MicroRNAs in Predicting Breast Cancer Recurrence Systematic Review. <b>2023</b> , 24, 7115	0

49	Computational Analysis Reveals Distinctive Interaction of miRNAs with Target Genes in the Pathogenesis of Chronic Kidney Disease. <b>2023</b> , 14, 898	О
48	LncRNA FLAIL affects alternative splicing and represses flowering in Arabidopsis.	O
47	Targeting miRNAs and Other Non-Coding RNAs as a Therapeutic Approach: An Update. 2023, 9, 27	О
46	Plant Derived MicroRNA156: A Critical Regulator of Environmental Stress.	O
45	MicroRNA-494 augments fibrotic transformation of human retinal pigment epithelial cells and targets p27 with cell-type specificity. 3,	О
44	Genome-wide analysis of SPL/miR156 module and their expression analysis in vegetative and reproductive organs of oil palm (Elaeis guineensis).	O
43	The diagnostic combination of serum circulating miR-488 and lncRNA AC018761 as biomarkers for hypopharyngeal squamous cell carcinoma (HPSCC). <b>2023</b> , 104909	0
42	Differential Expression of miRNAs Contributes to Tumor Aggressiveness and Racial Disparity in African American Men with Prostate Cancer. <b>2023</b> , 15, 2331	O
41	Transglutaminase-Polyethyleneimine Nanoflowers Mediated Cellular Delivery of Anti-miR-210 for Effective Glioblastoma Therapy.	0
40	Coordination of floral and fiber development in cotton (Gossypium) by hormone- and flavonoid-signalling associated regulatory miRNAs.	O
39	Integrative analysis of TP53 mutations in lung adenocarcinoma for immunotherapies and prognosis. <b>2023</b> , 24,	О
38	MicroRNA-146b-5p Suppresses Pro-Inflammatory Mediator Synthesis via Targeting TRAF6, IRAK1, and RELA in Lipopolysaccharide-Stimulated Human Dental Pulp Cells. <b>2023</b> , 24, 7433	O
37	Targeting RNA with Small Molecules. <b>2023</b> , 1-33	0
36	High miR-126-3p levels associated with cardiovascular events in a general population. 2023,	O
35	Longitudinal large-scale changes in maternal circulating microRNAs associated with gestation-related compartments, fetal sex, and growth during and post-pregnancy. <b>2023</b> , 110628	О
34	Proposal of a bioinformatics approach to predict molecular mechanisms involved in inflammatory response: case of ATRA and 1,25(OH)2D in adipocytes. <b>2023</b> , 18,	O
33	Single-sex schistosomiasis: a mini review. 14,	0
32	Exploring microRNAs in craniofacial regenerative medicine.	O

31	Intermediate and long-term exposure to air pollution and temperature and the extracellular microRNA profile of participants in the normative aging study (NAS). <b>2023</b> , 115949	O
30	Neuroblastoma: Emerging trends in pathogenesis, diagnosis, and therapeutic targets. <b>2023</b> , 357, 444-459	Ο
29	MicroRNA - 19a - 3p Decreases with Age in Mice and Humans and Inhibits Osteoblast Senescence.	0
28	Noncoding RNAs in asthmatic airway smooth muscle cells. <b>2023</b> , 32, 220184	O
27	Circulating microRNA Biomarker for Detecting Breast Cancer in High-Risk Benign Breast Tumors. <b>2023</b> , 24, 7553	O
26	miR-155 rs767649 T>A gene polymorphism is associated with downregulation of miR-155 expression, suppressor of cytokine signaling-1 overexpression, and low probability of metastatic tumor at the time of breast cancer diagnosis. <b>2023</b> , 28, 32	О
25	Adaptive deep propagation graph neural network for predicting miRNAdisease associations.	О
24	Rational engineering of nucleic acid probe system for enhanced intracellular MicroRNA detection. <b>2023</b> , 487, 215157	O
23	Moyamoya disease-specific extracellular vesicle-derived microRNAs in the cerebrospinal fluid revealed by comprehensive expression analysis through microRNA sequencing.	O
22	Phosphorylation of PIF3 by MPK6 is required for coordinated regulation of miRNA biogenesis and hypocotyl elongation in Arabidopsis. <b>2023</b> , 210, 105345	O
21	Identification of miRNAs Involved in Male Fertility and Pollen Development in Brassica oleracea var. capitata L. by High-Throughput Sequencing. <b>2023</b> , 9, 515	0
20	Small RNAs involved in salt stress tolerance of food crops. <b>2023</b> , 295-346	O
19	All cells have a sex: Sex chromosome function at the cellular level. 2023, 231-264	0
18	The Novel Role of Noncoding RNAs in Modulating Platelet Function: Implications in Activation and Aggregation. <b>2023</b> , 24, 7650	O
17	Molecular mechanisms and strategies in Response to abiotic stresses for the sustainability of crop production under changing climate. <b>2023</b> , 45-67	0
16	Genetics and genomics of endometriosis?. <b>2023</b> , 599-631	O
15	microRNAs role in phytoplasma-associated developmental alterations. <b>2023</b> , 167-185	О
14	Food crops improvement: comparative biotechnological approaches. <b>2023</b> , 471-505	O

## CITATION REPORT

13	Ginsenoside Rh2 attenuates the progression of non-small cell lung cancer by sponging miR -28-5p/STK4 axis and inactivating Wnt/Etatenin signaling.	O
12	MicroRNA-708 emerges as a potential candidate to target undruggable NRAS. <b>2023</b> , 18, e0284744	O
11	The intra-tumoral heterogeneity in glioblastoma 🗈 limitation for prognostic value of epigenetic markers?.	0
10	Regulation of morphogenesis and development in food crops: role of small RNA. 2023, 215-232	O
9	Application of plant-derived exosome-like nanoparticles in drug delivery. 1-20	O
8	Imbalanced multi-label data classification as a bi-level optimization problem: application to miRNA-related diseases diagnosis.	0
7	Critical Considerations for Investigating MicroRNAs during Tumorigenesis: A Case Study in Conceptual and Contextual Nuances of miR-211-5p in Melanoma. <b>2023</b> , 7, 9	0
6	A microRNA-related single nucleotide polymorphism of the Dicer gene is associated with risk of dermatomyositis. <b>2023</b> , 21, 1721727X2311735	0
5	MiR-24Bp/Dio3 axis is essential for BDE47 to induce local thyroid hormone disorder and neurotoxicity. <b>2023</b> , 491, 153527	O
4	Methods and biomarkers for early detection, prediction, and diagnosis of colorectal cancer. <b>2023</b> , 163, 114786	O
3	MicroRNAs from Holarrhena pubescens stems: Identification by small RNA Sequencing and their Potential Contribution to Human Gene Targets. <b>2023</b> , 23,	O
2	Genome-wide identification and expression profile analysis of metal tolerance protein gene family in Eucalyptus grandis under metal stresses. <b>2023</b> , 23,	0
1	Pro-inflammatory activity of long noncoding RNA FOXD2-AS1 in Achilles tendinopathy. <b>2023</b> , 18,	0